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Maximum DB
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Sequence 293, App
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Sequence 530, App
Sequence 13, Appl
Sequence 37, App
Sequence 17, Appl
Sequence 11, Appl
Sequence 15, Appl
Sequence 17, Appl
Sequence 17, Appl
Sequence 18, Appl
Sequence 15, Appl
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NAME/KEY: CDS
LOCATION: (361)..(1116)
NAME/KEY: Sig_peptide
LOCATION: (361)..(439)
NAME/KEY: mat_peptide
LOCATION: (442)..(1116)
US-09-827-948-1
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APPLICANT: Hsu, Tsu-An
APPLICANT: Rosen, Craig A.
APPLICANT: Ni, Jian
TITLE OF INVENTION: Tissue Factor Pathway Inhibitor-3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: US 09/013,896 PRIOR FILING DATE: 1998-01-27
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ORGANISM: Homo sapiens
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                GGAGCAGCTGGTGAAGAACACATATGTCCTGTGACCGCCCTGTCGCCAAGAGGACT-GGG
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US-10-246-376-9

US-10-243-320-9

US-09-742-201-1

US-09-742-201-1
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Pred. No. 8e-222;
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APPLICANT: Genetics Institute, I.
APPLICANT: Wong, Gordon G.
APPLICANT: Clark, Hilary
APPLICANT: Fechtel, Kim
APPLICANT: Agostino, Michael J.
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Matches 854
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LENGTH: 1527
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                                                                                                                                                                                                                                                             APPLICANT: Gulukota, Kamalakar
APPLICANT: Graham, James R.

TITLE OF INVENTION: POLYMUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
FILE REFERENCE: GIN 6402
CURRENT APPLICATION NUMBER: US/09/822,830A
CURRENT FILING DATE: 2001-03-29
PRIOR APPLICATION NUMBER: 60/195,604
PRIOR APPLICATION NUMBER: 60/195,604
NUMBER OF SEQ ID NOS: 631
NUMBER OF SEQ ID NOS: 631
SOFTWARE: Patentin Ver. 2.0
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                                                                                                                                                                                               TYPE: DNA
ORGANISM: Homo
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Agostino, Michael J
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                                                                                                                Conservative
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Pred. No. 1e-216;
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                                                                                      APPLICANT: John MONAHAN
APPLICANT: Manjula GANNA
APPLICANT: Sebastian HOE
APPLICANT: Steve G. KOYA
APPLICANT: Steve G. KOYA
APPLICANT: Rachel E. MEY
APPLICANT: Michael MORRI
APPLICANT: Peter OLANDT
APPLICANT: Ami SEN
                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
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    APPLICANT:
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                                                                                                                                                                                                                Sebastian HOERSCH
Shubhangi KAMATKAR
                        Gordon B. MILLS
Robert C. BAST, Jr.
                                                                                                                                             Rachel E. MEYERS Michael MORRISEY
                                                                                                                                                                                                                                                                 Manjula GANNAVARAPU
  Karen LU
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PRIOR APPLICATION NUMBER: 60/324,967
PRIOR FILING DATE: 2001/09/26
PRIOR APPLICATION NUMBER: 60/311,732
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PRIOR APPLICATION NUMBER: 60/276,025
PRIOR FILING DATE: 2001-03-14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: 60/276,026
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1146 GATCATTAGGGCTGAGGTCTGTTTCTCTGGGAGGTAGGACGGCTGCTTCCTGGTCTGGCA 1205
                                                                                                                                                                                            1026 GGAGCAGCTGGTGAAGAACACATATGTCCTGTGACCGCCCTGTCGCCAAGAGGACTGGGG
                                                                                              1086 AAGGGACGGGAGACTATGTGTGACCTTTTTTTAAATAGAGGGATTGACTCGGATTTCAGT 1145
                                               480 GATCATTAGGGCTGAGGTCTGTTTCTCTGGGAGGTAGGACGGCTGCTTCCTGGTCTGGCA 539
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Pred. No. 6.3e-212;
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                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Gene Logic, Inc.
TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer FILE REFERENCE: 44921-5028-WO CURRENT APPLICATION NUMBER: US/09/880,107 CURRENT FILING DATE: 2001-06-14 PRIOK APPLICATION NUMBER: US 60/211,379
                                                                                                                                                                                                                                                                                                                   Matches
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LOCATION: (1)..(1535)
OTHER INFORMATION: n = a or c or g or t
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Local Similarity 98.5%;
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181 CTGCTTCCGCCAGCAGAAATCCTCCCCTGCCCCTTGGCTCAAAGGTGGTGGTTCTGGC 240
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    Mismatches

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                                                                                                                                                                                                                                                                                                                                                       Score 825.2; DB 10; Length 1544;
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                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 303, Application US/10097340 Publication No. US20030087250Al GENERAL INFORMATION:
                                                                                                           APPLICANT:
                                                                                                                                                     APPLICANT: APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
                      TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification. TITLE OF INVENTION: Assessment, Prevention, and Therapy of Ovarian Cancer FILE REFERENCE: MRI-030
  CURRENT APPLICATION NUMBER: US/10/097,340
                                                                                         APPLICANT:
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                                                                                         Karen GLATT
                                                                                                                                                                         Gordon B. MILLS
Robert C. BAST, Jr.
                                                                                                         Xumei ZHAO
                                                                                                                                  Rosemarie SCHMANDT
                                                                                                                                                       Karen LU
                                                                                                                                                                                                                       Peter VEIBY
                                                                                                                                                                                                                                                                   Peter OLANDT
                                                                                                                                                                                                                                                                                     Michael MORRISEY
                                                                                                                                                                                                                                                                                                            Rachel E. MEYERS
                                                                                                                                                                                                                                                                                                                                   Steve G. KOVATS
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LOCATION: (1)...(1558) 
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US-10-097-340-303
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PRIOR FILING DATE: 2001-03-14
PRIOR APPLICATION NUMBER: 60/324,967
PRIOR FILING DATE: 2001/09/26
PRIOR APPLICATION NUMBER: 60/311,732
PRIOR FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: 60/325,102
PRIOR APPLICATION NUMBER: 60/325,102
PRIOR FILING DATE: 2001-09-26
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Best Local :
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LENGTH: 1558
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PRIOR APPLICATION NUMBER: 60/325,149
PRIOR FILING DATE: 2001-09-26
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Pred. No. 2.2e-204;
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SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 424
LENGTH: 1649
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches 833;
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CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05882
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                                                                        121
                                                                                                                                                                                                                                                                                                                                                                                                                                784 CTCCACCGATATGTTCAACTATGAAGAATACTGCACCGCCAACGCAGTCACTGGGCCTTG
                                                                                                                                                                                                                                                                                                                                                                                             61
                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 CTCCACCGATATGTTCAACTATGAAGAATACTGCACCGCCAACGCAGTCACTGGGCCTTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
                                                                                                                                                                                                                                                                                      CTATGGAGGCTGCCGGGGCAATAAGAACAGCTACCGCTCTGAGGAGGCCTGCATGCTCCG
                                                                                                                                                                                                                                                                                                                                                                          CCGTGCATCCTTCCCACGCTGGTACTTTGACGTGGAGAAGGAACTCCTGCAATAACTTCAT 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AWAAAWWWMARMAWRTGCTTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATAAATTTCAGCATGTGCTTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAAGAAGGAAAGTAAAATGTA-----CAAGTTTAATAAAAAGGGGCCCTTCCCCCTTTAGA 833
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TTTGTTTGTCTGATTTATGGTTTTTTTAAGTATAAACAAAAGTTTTTTATTAGCATTCTG 1305
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TTTGTTTGTCTGATTTATGGTTTTTTTAAGTATAAACAAAAGTTTTTTATTAGCATTCTG 779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GCTTATGTTGAATTCCATTGCCTCTTTTCTCATCACAGAAGTGATGTTGGAATCGTTTCT 1245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GCTTATGTTGAATTCCATTGCCTCTTTTCTCATCACAGAAGTGATGTTGGAATCGTTTCT 719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAAGAAGGAAAGTAAAATGTACCTNCGCCCGNNNCGANCCRCTCGAMCBTTCCCHHTARA 1365
                                                                                                                                                                                                                                     CTGCTTCCGCCAGCAGGAGAATCCTCCCCTGCCCCTTGGCTCAAAGGTGGTGGTTCTGGC
                                                                                                                                                                                                                                                                                                                                                             CCGTGCATCCTTCCCACGCTGGTACTTTGACGTGGAGGAGGAACTCCTGCAATAACTTCAT
                                                                                                                                                           GGGGCTGTTCGTGATGGTGTTGATCCTCTTCCTGGGAGCCTCCATGGTCTACCTGATCCG
                                                                                                                                                                                                                 CTGCTTCCGCCAGCAGGAGAATCCTCCCCTGCCCCTTGGCTCAAAGGTGGTGGTTCTGGC
                                                                                                                                                                                                                                                                                                                          CTATGGAGGCTGCCGGGGCAATAAGAACAGCTACCGCTCTGAGGAGGCCTGCATGCTCCG
 GGAGCAGCTGGTGAAGAACACATATGTCCTGTG-CCGCCCTGTCGCCAAGAGGACTGGGG
                                 GGAGCAGCTGGTGAAGAACACATATGTCCTGTGACCGCCCTGTCGCCAAGAGGACTGGGA 420
                                                                       GGTGGCACGGAGGAACCAGGAGCGTGCCCTGCGCACCGTCTGGAGCTCCGGAGATGACAA
                                                                                       GGTGGCACGGAGGAACCAGGAGCGTGCCCTGCGCGCACCGTCTGGAGCTCCGGAGATGACAA
                                                                                                                                              GGGGCTGTTCGTGATGGTGTTGATCCTCTTCCTGGGAGCCTCCATGGTCTACCTGATCCG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     95.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 758.2;
Pred. No. 7.3
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hes 33;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   and Antibodies
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460

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; TYPE: DNA; Homo sapiens; ORGANISM: Homo sapiens US-10-066-543-178
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 178, Application US/10066543 Publication No. US20030087818A1
                                                                                                                                                                                                                                                                                  SEQ ID NO 178
LENGTH: 638
                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
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                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER FILE REFERENCE: 210121.563
CURRENT APPLICATION NUMBER: US/10/066,543
CURRENT FILING DATE: 2002-01-31
NUMBER OF SEQ ID NOS: 3417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Jiang, Yugiu
APPLICANT: Pyle, Ruth A.
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                                                                                                                                                                                                                                                                                                                          SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                 thes 636;
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 578 CAAAGGTGGTTCTGGCGGGGCTGTTCGTGATGGTGTTGATCCTCTTCCTGGGAGCCT
                                   222
                                                                                                             162 AGGAGGCCTGCATGCTCCGCTGCTTCCGCCAGCAGGAGAATCCTCCCCTGCCCCTTGGCT
                                                                                                                                                                   Similarity
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                                                                         AGGAGGCCTGCATGCTCCGCCTGCCAGCAGGAGAATCCTCCCCTGCCCCTTGGCT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAGAAGGAAAGTAAAATGTACAAGTTTAATAAAAAGGGGCCTTCCCCCTTTAGAATAAATT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TTGTTTGTCTGATTTATGGTTTTTTTAAGTATAAGCAAAAGTTTTTTATTAGCATTCTGA 780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CTTATGTTGAA-TCCATTGCCTCTTTTCTCATCACAGAAGTGATGTTGGAATCGTTTCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AGCAGCCCCGAGTTGTTTCCTCGCTGATCGATTTCTTTCC-CCAGGTAGAGTTTTCTTTG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GGATGGGTTTGCTTTGGAAATCCTCTAGGAGGCTCCTCCTCGCATGGCCTGCAGTCTGGC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAGGGAGGGGAGACATGTGTGA-CTTTTTTTAAATAGAGGGATTGACTCGGATTTGAGTG 1261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AGGGAGGGGAGACTATGTGTGAGCTTTTTTTAAATAGAGGGATTGACTCCGGATTTGAGTG
                                   CAAAGGTGGTGGTTCTGGCGGGGCTGTTCGTCATGGTGTTGATCCTCTTCCTTGGGAGCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAGAAGGAAAGT-AAATGTACAAGTTTAATAAAAGGGGCCTTCCCCCTTTAKTAAAAAAAA 1618
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           Durham, Margarita Stolk, John A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Fanger, Gary R. Smith, Carole L.
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Fanger, Gary R.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Lodes, Michael J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indirias, Carol Yoseph
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                                                                                                                                                   Conservative
                                                                                                                                                                 70.3%;
                                                                                                                                                                 Score 613.4;
Pred. No. 4e
                                                                                                                                                   Mismatches
                                                                                                                                                                   3.4; DB 4.4e-155;
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                                                                                                                                                                                    Length
                                                                                                                                                                                        638;
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                                                                                                                               ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-066-543-1767
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                                                                                                                                                                                      NUMBER OF SEQ ID NOS: 3417
SOFTWARE: FASTSEQ for Windows Version
SEQ ID NO 1767
LENGTH: 586
                                                   Query Match
Best Local Similarity
Matches 584; Conserv
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 1767, Application US/10066543
                                                                                                                                                                                                                                                                TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER FILE REFERENCE: 210121-563 CURRENT APPLICATION NUMBER: US/10/066,543 CURRENT FILING DATE: 2002-01-31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Jiang, Yuqiu
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                 84 ACTITICACGIGGAGGGACCICCIGCAATAACTICATCIAIGGAGGCIGCCGGGCCAATA
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Secrist, Heather
Carter, Darrick
Fanger, Gary R.
Smith, Carole L.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GTCGCCAAGAGGACTGGGGAAGGGAAGGGGAAGACTATGTGTGAGCTTTTTTTAAATAGAGG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TGATGTTGGAATCGTTTCTTTTGTTTGTCTGATTTATGGTTTTTTTAAGTATAAACAAAA 760
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TGATGTTGGAATCGTTTCTTTTGTCTGTCTGATTTATGGTTTTTTTAAGTATAAACAAAA
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Durham, Margarita Stolk, John A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indirias, Carol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Xu, Jiangchun
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                                                       Conservative
                                                                         65.6%;
99.7%;
                                                       0;
                                                                       Score 572.4;
Pred. No. 4.:
                                                       Mismatches
                                                                           4.2e-144;
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US-10-060-036-1731
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APPLICANT: Kalos, Michael J.
APPLICANT: Lodes, Michael J.
APPLICANT: Persing, David H.
APPLICANT: Persing, David H.
APPLICANT: Bepler, William T.
APPLICANT: Jiang, Yugiu
TUTLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TUTLE OF INVENTION: AND DIAGNOSIS OF PANCHEATIC CANCER
FILE REFERENCE: 210121.566
                                                                                                                                                                                                          SOFTWARE: FastSEQ for Windows Version SEQ ID NO 1731
LENGTH: 502
                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Publication No. US20030073144A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 1731, Application US/10060036
                                                                                                                 Best Local Similarity
                                                                                                                               Query Match
                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/10/060,036
CURRENT FILING DATE: 2002-01-30
NUMBER OF SEC ID NOS: 4560
                                                                                                                                                                            ORGANISM: Homo
                                                                                                                                                                                           TYPE: DNA
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                                       TCTCTGGGAGGTAGGACGGCTGCTTCCTGGTCTGGCAGGGATGGGTTTGCTTTGGAAATC
       CTGATCCGGGTGGCACGGAGGAACCACGAGGGTGCCCTGCGCACCGTCTGGAGGTCGGGA
                                                                                                     Conservative
                                                                                                                55.9%;
99.6%;
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                                                                                                 Score 488.4; DB y;
Pred. No. 1.6e-121;
""smatches 1;
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                                                                                                                                 Length 502;
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APPLICANT: Pyle, R
APPLICANT: Xu, Jia
APPLICANT: Indiria
APPLICANT: Lodes,
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                                                                                                                                                      Matches 468; Conservative
                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                            SEQ ID NO 1448
                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
EILE REFERENCE: 210121.563
CURRENT APPLICATION NUMBER: US/10/066,543
CURRENT FILING DATE: 2002-01-31
NUMBER OF SEQ ID NOS: 3417
SOFTWARE: FastSEQ for Windows Version 4.0
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TYPE: DNA
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                                                                                                                 GCCAGCAGGAGAATCCTCCCCTGCCCCTTGGCTCAAAGGTGGTGGTTCTGGCGGGGGCTGT
   GUAGUAACCAGUAGCGTGCCCTGCCCACCGTCTGGAGCTCCGGAGATGACAAGUAGCAGC
                               rcgroarogroficatectettieergaageereatggtetaeetgateegggegeae
                                                                                           Durham, Margarita
Stolk, John A.
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Carter, Darrick
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Xu, Jiangchun
Indirias, Carol Yoseph
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Smith, Carole L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Lodes, Michael J
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                                                                                                                                                                     52.3%;
                                                                                                                                                       0;
                                                                                                                                                                  Score 457; DB 9;
Pred. No. 4.4e-113;
                                                                                                                                                         Mismatches
                                                                                                                                                         0;
                                                                                                                                                                                    Length 469;
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; OTHER INFORMATION: n = A,T,C or US-10-066-543-3358
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                                                                                                                                                                                                                                                         Query Match 51.7%; Score 451.4; DB 9; Best Local Similarity 99.4%; Pred. No. 1.4e-111;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ 1D NO 3358
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APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Smith, Carole L.
APPLICANT: Durham, Margarita
APPLICANT: Stolk, John A.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
FILE REFERENCE: 210121.563
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
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APPLICANT: Pyle, Ruth A.
APPLICANT: Xu, Jiangchun
APPLICANT: Indirias, Carol Yoseph
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NUMBER OF SEQ ID NOS: 3417
SOFTWARE: FASTSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION NUMBER: US/10/U66,543
CURRENT FILING DATE: 2002-01-31
                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: misc_feature LOCATION: 459
                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 477
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Secrist, Heather
Carter, Darrick
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                 GAGGGGAGACTATGTGTGAGCTTTTTTTAAATAGAGGGATTGACTCGGATTTGAGTGATC
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                                                                                                                                                                                                                                            Conservative
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US-10-066-543-2086
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LENGTH: 453
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CURRENT FILING DATE: 2002-01-31
NUMBER OF SEQ ID NOS: 3417
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                   324 GTGCCCTGCGCACCGTCTGGAGCTCCGGAGATGACAAGGAGCAGCTGGTGAAGAACACAT 383
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241 GTGCCCTGCGCACCGTCTGGAGCTCCGGAGATGACAAGGAGCAGCTGGTGAAGAACACAT
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Fanger, Gary R.
Smith, Carole L.
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Stolk, John A.
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Pred. No. 8.8e-109;
0; Mismatches 0;
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APPLICANT: Pyle, R
APPLICANT: Xu, Jia
APPLICANT: Indiria
APPLICANT: Lodes,
APPLICANT: Secriet
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CURRENT FILING DATE: 2002-01-31
NUMBER OF SEQ ID NOS: 3417
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                                               ATGTCCTGTGACCGCCCTGTCGCCAAGAGGACTGGGGAAGGGAAGGGAGACTATGTGTGA
                                                                           GTGCCCTGCGCACCGTCTGGAGCTCCGGAGATGACAAGGAGCAGCTGGTGAAGAACACAT
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Carter, Darrick
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Stolk, John A.
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Smith, Carole L.
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Pred. No. 4.7e-102;
0; Mismatches 0;
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US-10-076-622-293
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SOFTWARE: FastSEQ for
SEQ ID NO 293
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APPLICANT: Jiang, Yuqiu
APPLICANT: Dillon, Davic C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Xu, Jiangchun
APPLICANT: Lepier, Susan L.
APPLICANT: Hepier, William T.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
FILE REFERENCE: 210121.470C7
CURRENT APPLICATION NUMBER: US/09/604,287A
CURRENT FILING DATE: 2000-06-22
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CURRENT APPLICATION NUMBER: US/10/076,622
CURRENT FILING DATE: 2002-02-13
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TYPE: DNA
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Pred. No. 2.6e-75;
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US-09-339-338-293
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SOFTWARE: FastSEQ
SEQ ID NO 293
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LENGTH: 320
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APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Xu, Jiangchun
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                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE FILE REFERENCE: 210121.470C2
                                                                                                                                                                                                                                                                                          ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                               TYPE: DNA
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Pred. No. 2.6e-75;
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SEQ ID NO 293
; LENGTH: 320
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-007-805-293
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US-10-007-805-293
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Matches 317; Conservation
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APPLICANT: Dillor
APPLICANT: Mitche
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APPLICANT:
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
FILE REFERENCE: 210121.470C10
CURRENT APPLICATION NUMBER: US/10/007,805
CURRENT FILING DATE: 2001-12-07
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GCCTTCCCCTTTAGAATA 319
                               GCCTTCCCCTTTAGAATA 836
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McNeill, Patricia D.
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Pred. No. 2.6e-75;
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APPLICANT: Horne, Darci T.
APPLICANT: Vockley, Joseph G.
APPLICANT: Scherf, Uwe
APPLICANT: Gene Logic, Inc.
TITLE OF INVENTION: Gene Expression Profiles in
FILE REFERENCE: 44921-5028-WO
CURRENT APPLICATION NUMBER: US/09/880,107
CURRENT FILING DATE: 2001-06-14
PRIOR APPLICATION UNDER: US 60/211,379
PRIOR FILING DATE: 2000-06-14
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CORRENT FILING DATE: 2001-10-03
PHIOR APPLICATION NUMBER: US/60/237,606
PRIOR FILING DATE: 2000-10-03
PHIOR APPLICATION NUMBER: US/60/237,608
PRIOR FILING DATE: 2000-10-03
PRIOR PPLICATION NUMBER: US/60/237,425
PRIOR APPLICATION NUMBER: US/60/237,425
PRIOR FILING DATE: 2000-10-03
                                                                                                                                                                                                                                                         US-09-880-107-2048/c
: Sequence 2048, Application US/09880107
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn version 3.0 SEQ ID NO 166 LENGTH: 331
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TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
TITLE OF INVENTION: Sets
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                                                                                                                                                                                                                                         GENERAL INFORMATION:
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PRIOR APPLICATION NUMBER: US 60/237,054
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local
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325; Conserv
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<del>تــ</del>
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98.2%;
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Pred. No. 3.5e-74;
Pred. No. 3.5e-74;
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; ORGANISM: Homo sapien
FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(320)
; OTHER INFORMATION: n = A
US-09-867-701-530
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; LOCATION: (1)..(331)
; OTHER INFORMATION: n = a or c or g or
US-09-880-107-2048
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Best Local Similarity 98.2
Matches 325; Conservative
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SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 530
LENGTH: 320
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LENGTH: 331
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 530, Application US/09867701
  Matches
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                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER FILE REFERENCE: 210121.497
                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/09/867,701 CURRENT FILING DATE: 2001-05-29
                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Aglate, Paul A. APPLICANT: Jones, Robert
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    300;
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                    Similarity
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  Conservative
                  33.0%;
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Pred. No. 3.5e-74;
                    Score 288.4; DB 1 Pred. No. 8.9e-68;
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                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                Query Match
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APPLICANT: HSu, Tsu-An
APPLICANT: Rosu, Craig A.
APPLICANT: Ni, Jian
TITLE OF INVENTION: Tissue Factor Pathway Inhibitor-3
FILE REFERENCE: 1488.1290002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/09/827,948
CURRENT FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: US 09/013,896
PRIOR FILING DATE: 1998-01-27
NUMBER OF SEQ ID NOS: 31
                                                                                                                                                                                                                                                                                                NAME/KEY: misc_feature LOCATION: (229)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Human
                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: n is A,
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                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
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 121
                                                                                106 CTGCAATAACTTCATCTATGGAGGCTGCCGGGGCAATAAGAACAGCTACCGCTCTGAGGA 165
                                                                                                                                                                                                 283;
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                                                               61
                                                                                                                                                 46 AGTCACTGGGCCTTGCCGTGCATCCTTCCCACGCTGGTACTTTGACGTGGAGAGGAACTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    287
                                                                                                                                                                                                                 Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CATTCTGAAAGAAGGAAGTAAAATGTACAAGTTTAATAAAAAGGGGCCTTCCCCTTTAG 832
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                                                               CTGCAATAACTTCATCTATGGAGGCTGCCGGGGCAATAAGAACAGCTACCGCTCTGAGGA
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US-09-815-343-703
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           CURRENT APPLICATION NUMBER: US/09/815,343
CURRENT FILING DATE: 2001-03-22
NUMBER OF SEQ ID NOS: 1556
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 703
LENGTH: 286
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                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Weagher, Madeleine
APPLICANT: Xu, Jiangchun
APPLICANT: King, Gordon E.
                                                                                                                                                                                                                                                                                                          Sequence 703, Application US/09815343 Patent No. US20010055596A1
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Best Local
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APPLICANT: Xu, Jiangchun
APPLICANT: Xiu, Jiangchun
APPLICANT: King, Gordon E.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER
FILE REFERENCE: 210121.504
CURRENT APPLICATION NUMBER: US/09/815,343
CURRENT FILING DATE: 2001-03-22
                                                                                                                                                 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER FILE REFERENCE: 210121.504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQ ID NOS: 1556
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TYPE: DNA
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Local Similarity 99.5%;
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Pred. No. 1.2e-63;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/827,948
CURRENT FILING DATE: 2001-04-06
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                                     OTHER INFORMATION: n is A,
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                                                                                                                                                        OTHER INFORMATION: n is A,
                                                                                                                                                                                                                  LOCATION: (72)
OTHER INFORMATION: n is
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; LENGTH: 287
; TYPE: DNA
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NAME/KEY: misc_feature
LOCATION: (1)...(287)
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              181 CTCCGGAGATGACAAGGAGCAGCTGGTGAAGAACACATATGTCCTGTGACCGCCCTGTCN 240
                                                   346 CTCCGGAGATGACAAGGAGCAGCTGGTGAAGAACACATATGTCCTGTGACCGCCCTGTCG 405
                                                                                                                                                                                                                                                                                           168 CCTGCATGCTCCGCCTGCCTCCGCCAGCAGGAGAATCCTCCCCTGCCCCTTGGCTCAAAGG 227
                                                                                             121 TCTACCTGATNCGGGTGGGCACCNGAGGAACCAGGAGCGTGCCCTGCGCACCGTCTGGAG
                                                                                                                                                                       61 TGGTGGTTCTGGCGGGGCTGTTCGTGATGGTGTTGATCCTCTTCCTGGGAGCCTCCATGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       33 ANAAAGGGGCCTTCCCCCTTTAGAATAAA 6
                                                                                                                                                                                                                                                   1 CCTGCATGCTCCGCTGCTTCCGCCAGCAGGAGAATCCTCCCCTGCCCCTTGGCTCAAAGG
                                                                                                                                                                                            TCTACCTGATCCGGGTGG--CACGGAGGAACCAGGAGCGTGCCCCTGCGCACCGTCTGGAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATAAACAAAAGTTTTTTATTNNNATTCTGAAAGAANGAAAGTAAAATGTACAAGTTTAAT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATCACAGAAGTGATGTTGGAATCGTTTCTTTTTTGTCTGATTTATGGTTTTTTAAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATCACAGAAGTGATGTTGGAATCGTTTCTTTTGTTTGTCTGATTTATGGTTTTTTAAGT 750
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTTCTTTCCNCCAGGTANAGTTTTCTTTGCTTATGTTGAATTCCATTGCCTCTTTTCTC
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96.9%;
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97.0%;
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                                                                                                                                                                                                                                                                                                                                                Pred. No. 1.7e-58;
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Pred. No. 3.6e-60;
                                                                                                                                                                                                                                                                                                                                  Mismatches
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120 287

RESULT 26 US-09-827-948-15/c

Sequence 15,

Patent No. US20010029034A1

APPLICANT: Gentz, I APPLICANT: Hsu, Ts APPLICANT: Rosen, APPLICANT: Ni, Ji GENERAL INFORMATION:

Reiner, L. Craig A.

Ni, Jian Hsu, Tsu-An Rosen,

강 QΥ

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: OTHER INFORMATION: n is A, T, C, US-09-827-948-15
CURRENT APPLICATION NUMBER: US/10/076,622
CURRENT FILING DATE: 2002-02-13
NUMBER OF SEQ ID NOS: 627
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 376
                                                                                                                                                                                                                                       Sequence 376, Application US/10076622 Publication No. US20030023036A1
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FILE REFERENCE: 1488.1290002
CURRENT APPLICATION NUMBER: US/09/827,948
CURRENT FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: US 09/013,896
PRIOR FILING DATE: 1998-01-27
NUMBER OF SEQ ID NOS: 31
                                                                                              APPLICANT: Houghton, Raymond L.
APPLICANT: Sleath, Paul R.
APPLICANT: Persing, David H.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
FILE REFERENCE: 210121.470C11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Patentin version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    76 ATTAGCATTCTGAAAGAAGGAAAGTAAAATGTACAAGTTTAATAAAAAGGGGCCCTTCCCC 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GAATCGTTTCTTTGTCTGATTTATGGTTTTTTTAAGTATAAACAAAAGTTTTTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GGAATCGTTTCTTTGTTTGTCTGATTTATGGTTTTTTAAGTATAAACAAAAGTTTTTT 767
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Pred. No. 1.7e-57;
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APPLICANT: William T.
APPLICANT: Hepler, William T.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TI
TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
FILE REFERENCE: 210121.47007
CURRENT APPLICATION NUMBER: US/09/604,287A
CURRENT FILING DATE: 2000-06-22
NUMBER OF SEQ ID NOS: 489
SOFTWARE: FastSEQ for Windows Version 3.0
LENGTH: 241
TYPE: DNA
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    RESULT 29
US-10-007-805-376/c
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Homo sapiens
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Mitcham, Jennifer L.
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99.6%;
                                                                                                                                                                                                                                                                                                                                                                                                 Score 238.4; DB 1
Pred. No. 2.2e-54;
0; Mismatches 1
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Pred. No. 2.2e-54;
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Best Matches

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Similarity

Conservative

Query Match

NAME/KEY: misc\_feature LOCATION: (203)

SEQ ID NO 15 LENGTH: 256

ORGANISM: Human FEATURE:

24 DЬ δÃ Вþ χý

828 TTTAGAATAAA 838

16

TTTAGAATAAA 6

768 136 708 196

US-10-076-622-376/c

GENERAL INFORMATION:

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; OTHER INFORMATION: n = A,T,C or G
US-09-815-343-1258
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                                                                                                                                SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1258
LENGTH: 287
                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1258, Application US/09815343 Patent No. US20010055596A1
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LENGTH: 241
                                                                                                                                                                                                                                                                                                                     APPLICANT: Meagher, Madeleine APPLICANT: Xu, Jiangchun APPLICANT: King, Gordon E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches 239; Conservative
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Patent No. US20020150581A1
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                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/815,343
CURRENT FILING DATE: 2001-03-22
NUMBER OF SEQ ID NOS: 1556
                                                                                                                                                                                                                                                            TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER FILE REFERENCE: 210121.504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION NUMBER: US/10/007,805
CURRENT FILING DATE: 2001-12-07
NUMBER OF SEQ ID NOS: 593
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER FILE REFERENCE: 210121.470C10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Jiang, Yuqiu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: FastSEQ for Windows Version 4.0
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                                     NAME/KEY: misc_feature LOCATION: (1)...(287)
                                                                                              ORGANISM: Homo sapien
                                                                                                                      TYPE: DNA
                                                                             FEATURE:
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McNeill, Patricia D.
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Henderson, Robert A.
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Mitcham, Jennifer L.
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Local Similarity 91.6%;
241 CCAATANGACIGGGGAANGGAGGGGAGACTATNTGNGAGCTTTTTT 287
                            406 CCAAGAGGACT-GGGAAGGGAGGGGAGACTATGTGTGAGCTTTTTTT 451
                                                                                                          181 TCCGGAGATGACAANNGAGCATCTGGTGAAGAACACATATGTTCTGTGACCGCCCTGTCT 240
                                                                                                                                                     347 TCCGGAGATGACAA-GGAGCAGCTGGTGAAGAACACATATGTCCTGTGACCGCCCTGTCG 405
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ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION: NAME: STEFFE, ERIC K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION DATA:
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CLASSIFICATION: 435
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                           Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                LOCATION:
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                                                                                                                                                                                                                                                             726 CTCCAGCGATATGTTCAACTATGAAGAATACTGCACCGCCAACGCAGTCACTGGGCCTTG 785
                                                                                      846 CTATGGAGGCTGCCGGGGCAATAAGAACAGCTACCGCTCTGAGGAGGCCTGCATGCTCCG
                                         181 CTGCTTCCGCCAGCAGGAGTCCTCCCCTGCCCCTTGGCTCAAAGGTGGTGGTTCTGGC 240
                                                                                                                           121 CTATGGAGGCTGCCGGGGCAATAAGAACAGCTACCGCTCTGAGGAGGCCTGCATGCTCCG 180
                                                                                                                                                                           786 CCGTGCATCCTTCCCACGCTGGTACTTTGACGTGGACAGGAACTCCTGCAATAACTTCAT 845
                                                                                                                                                                                                                                                                                                                                                       873;
                                                                                                                                                                                                                  61 CCGTGCATCCTTCCCACGCTGGTACTTTGACGTGGAGAGGAACTCCTGCAATAACTTCAT 120
                                                                                                                                                                                                                                                                                                         1 CTCCAGCGATATGTTCAACTATGAAGAATACTGCACCGCCAACGCAGTCACTGGGCCCTTG 60
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Similarity 99.9%;
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361..439
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Patent No. 6262334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 492, Application US/09385982
                                                                                                                           SEQ ID NO 492
LENGTH: 597
                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION TITLE OF INVENTION: PRODUCTS: II FILE REFERENCE: CCDNA-260XX
                                                                                                                                                                                                                                                             EARLIER APPLICATION NUMBER: 60/117,393
EARLIER FILING DATE: 1999-01-27
                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION NUMBER: US/09/385,982
CURRENT FILING DATE: 1999-08-30
EARLIER APPLICATION NUMBER: 09/328,111
EARLIER FILING DATE: 1999-06-08
                                                                                                                                                                         SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                  EARLIER FILING DATE: 1998-08-31
                                                                                                                                                                                                                                           EARLIER APPLICATION NUMBER: 60/098,639
                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: ENDEGE, WILSON O., ET AL
                                                                                                                                                                                                NUMBER OF SEQ ID NOS:
                                         FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(597)
OTHER INFORMATION: n = A,T,C or G
                                                                                      ORGANISM: Homo sapiens
                                                                                                           TYPE: DNA
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// Sequence 4, Application US/08685660A
// Patent No. 5731412
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APPLICANT:
                                                         APPLICATION NUMBER: FILING DATE: 24-JUL-PRIOR APPLICATION DATA:
                                                                                                                         SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                           CURRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: NOVEL PROTEIN, DNA CODING FOR SAME TITLE OF INVENTION: AND METHOD OF PRODUCING THE PROTEIN
FILING DATE: 24-JUL-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                     COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                       APPLICATION NUMBER: JPA Hei 7-187134
                                                                                                                                                                                                 COMPUTER:
                                                                                                                                                                                                                 MEDIUM TYPE:
                                                                                                                                                                                                                                                                                   COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE:
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KITAMURA, Naomi
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                                                                                                                                                                                                                                                                                                                                                                         SUGHRUE, MION, ZINN, MACPEAK & SEAS
                                                                                     24-JUL-1996
                                                                                                                                                                                                                 Floppy Disk
                                                                                                       US/08/685,660A
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; Sequence 4, Application US/08974196; Patent No. 5854396; GENERAL INFORMATION:
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Best Local :
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                                                      APPLICANT: SHIMOMURA,
APPLICANT: KAWAGUCHI,
APPLICANT: KITAMURA, N
                    TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: mature peptide LOCATION: 82 to 759
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LOCATION: 1 to 759
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                                                        KAWAGUCHI, Toshiya
KITAMURA, Naomi
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NOVEL PROTEIN, DNA CODING FOR SAME AND METHOD OF PRODUCING THE PROTEIN 7
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Pred. No. 7.2e-92;
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NUMBER OF SEQUENCES:

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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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ATTORNEY/AGENT INFORMATION:
NAME: KIT, GORDON
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PRIOR APPLICATION DATA:
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APPLICATION NUMBER: JPA Hei 7-187134
FILING DATE: 24-JUL-1995
                                                                                                                                                                                                                                                                                                                                                           Local Sin hes 394;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: mature peptide
LOCATION: 82 to 759
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LOCATION:
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                     241 GGGCTGTTCGTGATGGTGTTGATCCTCTTCCTGGGAGCCTCCATGGTCTACCTGATCCG 300
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   GGGGCTGTTCGTGATGGTGTTGATCCTCTTCCTGGGAGCCTCCATGGTCTACCTGATCCG
                                                                       CTGCTTCCGCCAGCAGGAGTCCTCCCCTCCCCTTGCCTCAAAGGTGGTGGTTCTGGC
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100.0%;
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Pred. No. 7.2e-92;
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Patent No. 6262233
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Best Local
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ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C
STREET: 1100 NEW YORK AVE., NW. STE. 600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: 14
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
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NAME: STEFFE, ERIC K.
                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: 1: MOLECULE TYPE:
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LENGTH: 287 base pairs
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OPERATING SYSTEM: PC-DOS/MS-DOS
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REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            361 GGAGCAGCTGGTGAAGAACACATATGTCCTGTGA 394
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                301 GGTGGCACGGAGGAACCAGGAGCGTGCCCTGCGCACCGTCTGGAGCTCCGGAGATGACAA 360
                                                                                                                                              121
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                                                                                                                                                                                                                61
                                                                                                                                                                                                                                                                                                        46 AGTCACTGGGCCTTGCCGTGCATCCTTCCCACGCTGGTACTTTGACGTGGAGAGGAACTC 105
                                                                                                                                                                                                                                                                                                                                                             283;
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                                                                                                                                                                                                                                                                                                                                                                           Similarity
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GGTCTACCTGATCCGGGTGGCACGGAGGAGCAGGAGCGTGCCCTGC 332
                                                                                                                                                           GCCCTGCATGCTCCCCCTGCTTCCCCCCAGCAGCAGAGAATCCTCCCCTGCCCCTTGCCTCAAA 225
                                                                                                           GGTGGTTCTGGCGGGGCTGTTCGTGATGGTGTTGATCCTCCTGGGAGCCTCCAT
                                                                                                                                              GGCCTGCATGCTCCGCTGCTTCCGCCAGCAGGAGAATCCTCCCCTGCCCCCTTGCCTCAAA
                                                                                                                                                                                                                  CTGCAATAACTTCATCTATGGAGGCTGCCGGGGCAATAAGAACAGCTACCGCTCTGAGGA 120
                                                                                                                                                                                                                                                                                       AGTCACTGGGCCTTGCCGTGCATCCTTCCCACGCTGGTACTTTGACGTGGAGAGGAACTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GGAGCAGCTGGTGAAGAACACATATGTCCTGTGA 759
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GGTGGCACGGAGGAACCAGGAGCGTGCCCTGCGCACCGTCTGGAGCTCCGGAGATGACAA 725
                                                                         GNTGGTGGTTCTNGCGGGGCTGTTCGTGATGGTGTTGATCCTCTTCCTNGGAGCCTCCAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Application US/09013896A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENTZ, REINER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PatentIn Release #1.0,
                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                               DNA (genomic)
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                                                                                                                                                                                                                                                                                                                                                         Score 282.4; DB 4
Pred. No. 1.9e-63;
0; Mismatches 4
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                                                                                                                                                                                                                                                                                                                                                                                            DB 4;
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                                                               US-09-013-896A-15/c
                               Sequence 15, Application US/09013896A Patent No. 6262233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 14, Application US/09013896A Patent No. 6262233
                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
GENERAL INFORMATION:
APPLICANT: GENTZ,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: PatentIn Release #1.0, Version CURRENT APPLICATION DATA:
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ADDRESSEE: STERNE, KESSLER,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 273 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: STEFFE, ERIC K. REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                         811 AAAAAGGGGCCTTCCCCTTTAGAAATAAA 838
                                                                                                                                                                                                                                                                                                                                                     631
                                                                                                                                                                                                                                                                                                                                                                                 153
                                                                                                                                                                                                                                                                                                                     213 ATTTCTTTCCNCCAGGTANAGTTTTCTTTCGCTTATGTTGAATTCCATTGCCTCTTTTCTC 154
                                                                                                                                                                                                                                                                                                                                                                                                            571 GGCTCCTCCTCGCATGGCCTGCAGTCTGGCAGCAGCCCCGAGTTGTTTCCTCGCTGATCG
                                                                                                                                                                                                                                                                                                                                                                                                                                                260;
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                                                                                                                                                                                                                                                                                     ATCACAGAAGTGATGTTGGAATCGTTTCTTTTGTTTGTCTGATTTATGGTTTTTTAAGT 750
                                                                                                                            ANAAAGGGCCTTCCCCTTTAGAATAAA 6
                                                                                                                                                                                                                                                       ATAAACAAAAGTTTTTTATTNNNATTCTGAAAGAANGAAAGTAAAATGTACAAGTTTAAT 34
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   REINER
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Pred. No. 1e-57;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 4; Length 273;
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US-09-013-896A-17
: Sequence 17, Application US/09013896A
: Patent No. 6262233
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Best Local S
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: 14
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE:
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ATTORNEY/AGENT INFORMATION:
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                                                              CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, K
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                                                                                                  APPLICANT: GENTZ, REINER
TITLE OF INVENTION: TISSUE FACTOR PATHWAY INHIBITOR-3
NUMBER OF SEQUENCES: 31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
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                              CITY: WASHINGTON
                                                STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
Les 250; Conserv
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COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                    GGAATCGTTTCTTTGTTTGTCTGATTTATGGTTTTTTTAAGTATAAACAAAAGTTTTTT 77
                                                                                                                                                                                                                                                                                                                                                                                                                                GGAATCGTTTCTTTTGTTTGTCTGATTTATGGTTTTTTAAGTATAAACAAAAGTTTTTT 767
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AGAGTTTTCTTTGCTTATGTTGAATTCCATTGCCTCTTTTCTCATCACAGAAGTGATGTT
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                                              E: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C
1100 NEW YORK AVE., NW, STE. 600
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Pred. No. 3.6e-55;
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Sequence 169, Application US/09404879A

Patent No. 6468546
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                                                                                                                US-09-404-879A-169
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                                                                                                                                                  SOFTWARE: Fair SEQ ID NO 169
LENGTH: 276
TYPE: DNA
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                                      Query Match 19.2%;
Best Local Similarity 99.4%;
Matches 168; Conservative
                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 21.5%; Score 188; DB 4; Best Local Similarity 99.0%; Pred. No. 2.6e-39;
                                                                                                                                                                                                                                                                        APPLICANT: King, Gordon E.
APPLICANT: Aigate, Paul A.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.462C2
                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/404,879A
CURRENT FILLING DATE: 1999-09-24
NUMBER OF SEQ ID NOS: 393
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Mitcham, Jenniter I..
                                                                                                                             ORGANISM: Homo sapien
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 201 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE: (301) 309-8504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTMARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
CLASSIFICATION: 435
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: STEFFE, ERIC K.
REGISTRATION NUMBER: 36,688
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/09/013,896A
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CTCCAGCGATATGTTCAACTATGAAGAATACTGCACCGCCAACGCAGTCACTGGGCCTTG 60
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                                                     Score 167.4; DB 4
Pred. No. 5.7e-34;
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                                       Mismatches
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                                                                        DB 4; Length 276;
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RESULT 11
US-09-404-879A-365/c
; Sequence 365, Application US/09404879A
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                                                           ; ORGANISM: Homo sapiens US-09-404-879A-365
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                                                                                             SEQ ID NO 365
LENGTH: 371
TYPE: DNA
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; SEQ ID NO 356
; LENGTH: 207
                                                                                                                                                                                                                                   APPLICANT: Mitcham, Jennifer L.
APPLICANT: King, Gordon E.
APPLICANT: Algate, Paul A.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.46202
                                                                                                                                                                                                                                                                                                                                                                     Patent No. 6468546 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Mitcham, Jennifer I..
APPLICANT: King, Gordon E.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 356, Application US/09404879A Patent No. 6468546
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER FILE REFERENCE: 210121.46202
Best Local Similarity
                     Query Match
                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/09/404,879A
CURRENT FILING DATE: 1999-09-24
NUMBER OF SEQ ID NOS: 393
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                                                                                                                                                               SOFTWARE:
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ORGANISM: Homo sapiens
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                                                                                                                                                             FastSEQ for Windows Version 3.0
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100.0%;
                     19.1%;
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Score 167; DB 4;
Pred. No. 8.3e-34;
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                 DB 4; Length 371;
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                                                                                                                                                                                                                                                                             RESULT 13
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SEQ ID NO 168
LENGTH: 276
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                                                                                                                                                                                                                          Sequence 125, Application US/09222575 Patent No. 6387697
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Yuqiu, Jiang
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Xu, Jiangchun
TITLE OF INVENTION: Compositions for the Treatment and Diagnosis of Breast Cancer
TITLE OF INVENTION: and Methods for Their Use
FILE REFERENCE: 210121.470
CURRENT APPLICATION NUMBER: US/09/222,575
CURRENT FILING DATE: 1998-12-28
NUMBER OF SEQ ID NOS: 174
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Mitcham, Jennifer L.
APPLICANT: King, Gordon E.
APPLICANT: Algate, Paul A.
APPLICANT: Algate, Paul A.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.46202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
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LOCATION: (1)...(276)
OTHER INFORMATION: n = A,T,C or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
OKGANISM: Homo sapien
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local
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98.2%;
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Pred. No. 1.9e-33;
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          ; MOLECULE TYPE: US-09-020-956-15
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Best Local
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APPLICANT: XI, Jiangchun
APPLICANT: Dillin, Davin C.
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS
                                                                                                                                  INFORMATION FOR SEQ ID NO:
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LOCATION: (195)
OTHER INFORMATION: Where n is a,
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NAME/KEY: modified_base
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                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 783 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION DATA:
                                                                                                                                                                 TELECOMMUNICATION INFORMATION: TELEPHONE: (206) 622-4900
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CITY: Seattle
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ZIP: 98104
                                             TOPOLOGY:
                                                            STRANDEDNESS:
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Similarity 88.7%;
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Pred. No. 9.4e-29;
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Best Local
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TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO NUMBER OF SEQUENCES: 224
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                             TOPOLOGY: li
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CITY: S
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REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 2
CLASSIFICATION:
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83 TACTTTGACGTGGAGGGGGGGCAGT 142
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Similarity 61.7%;
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                                                                                                                                          Score 72.8; DB 4;
Pred. No. 1.7e-09;
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Pred. No. 1.7e-09;
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US-09-605-785-15
 RESULT 17
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US-09-605-785-15
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Best Local Similarity 61./
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SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 15
LENGTH: 783
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CURRENT APPLICATION NUMBER: US/09/605,785
CURRENT FILING DATE: 2000-06-27
NUMBER OF SEC.
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APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Vedvick, Thomas S. Carter, Darrick
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Day, Craig H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kalos, Michael D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Henderson,
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61.7%;
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                                                                                                                                                                                                                                                                                                                                             Score 72.8; DB 4;
Pred. No. 1.7e-09;
0; Mismatches 70;
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APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer
APPLICANT: Harlocker, Susan
APPLICANT: Jiang Yuqui
APPLICANT: Redd, Steven G.
APPLICANT: Kalos, Michael
                                      SOFTWARE: Fas
SEQ ID NO 15
LENGTH: 783
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APPLICANT:
APPLICANT:
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CURRENT FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 575
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APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C9
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                                                                                                                   CURRENT APPLICATION NUMBER: US/09/352,616A CURRENT FILLING DATE: 1999-07-13
                                                                                                                                                           APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
FILE REFERENCE: 210121.427C8
                                                                                                    NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: n = A,T,C or G
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ORGANISM: Homo sapien
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                   TYPE: DNA
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113; Conserv
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                                                                               FastSEQ for Windows Version 3.0
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                                                                                                                                                                                                                                                                                 Harlocker, Susan Louise
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Retter, Mark
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mitcham, Jennifer L.
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61.7%;
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APPLICANT: XU. Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer Lynn
APPLICANT: Mitcham, Jennifer Lynn
ITILE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
ITILE OF INVENTION: CANCER AND METHODS FOR THEIR USE
ITILE REFERENCE: 210121.427C6
CURRENT APPLICATION NUMBER: US/09/232,149A
CURRENT FILING DATE: 1999-01-15
NUMBER OF SEO ID NOS: 338
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 15
LENGTH: 783
TYPE: DNA
TYPE: DNA
TYPE: DNA
TYPE: DNA
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Best Local Similarity 61.7%;
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Best Local Similarity 61.7%;
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CCT 434
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                                                                                                                                                                                                                                                                                                                                                                 Score 72.8; DB 4;
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Pred. No. 1.7e-09;
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RESULT 21
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US-08-685-558A-8
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Sequence 8, Application US/09765449
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INFORMATION FOR SEQ ID NO: 8:
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MEDIUM TYPE: Floppy
COMPUTER: IBM PC com
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LENGTH: 1542 base pairs
TYPE: nucleic acid
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PRIOR APPLICATION NUMBER: JPA Hei 7-1871.
APPLICATION NUMBER: JPA Hei 7-1871.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
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APPLICANT: KAWAGUCHI,
APPLICANT: KITAMURA, K
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORIGINAL SOURCE:
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: mature peptide LOCATION: 106 to 1542 IDENTIFICATION METHOD: by experiment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IDENTIFICATION METHOD: by experiment NAME/KEY: signal peptide LOCATION: 1 to 105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRAIN: MKN45
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: coding sequence LOCATION: 1 to 1542
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                                                                                                                                          143 AAGAACAGCTACCGCTCTGAGGAGGCCTGCATGCTCCGCTG 183
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                                                                                                                                                                                                                          83 TACTTTGACGTGGAGAGGAACTCCTGCAATAACTTCATCTATGGAGGCTGCCGGGGCAAT 142
                                                                                                                                                                                                                                                                                                                                                                  8.2%;
Similarity 65.2%;
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                                                                                                                                                                                    TACTATGACCCCACGGAGCAGATCTGCAAGAGTTTCGTTTATGGAGGCTGCTTGGGCAAC 858
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    E: SUGHRUE, MION, ZINN, MACPEAK & SEAS
2100 Pennsylvania Avenue, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAWAGUCHI, Toshiya
KITAMURA, Naomi
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             by experiment
                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                Score 71.4; DB 4; Length 1542; Pred. No. 5.2e-09;
                                                                                                                                                                                                                                                                                                                                                  56; Indels
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US-09-071-709-6
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                                                                                                                                                                                                                                                                                                         Вb
                                                                                                                                                                    Patent No. 6171790
GENERAL INFORMATION:
                                                                                                                                                                                        Sequence 6, Application US/09071709 Patent No. 6171790
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO: 8

SEQUENCE CHARACTERISTICS:
LENGTH: 1542 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
ANTI-SENSE: no
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                        APPLICANT:
                                                                                                                               APPLICANT:
APPLICANT: Patterson, Chandra
TITLE OF INVENTION: HUMAN PROTEASE ASSOCIATED PROTEINS
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
                                                                                            APPLICANT:
                                                                                                               APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/765,449

FILING DATE: 22-Jan-2001

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/685,558
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ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS
STREET: 2100 Pennsylvania Avenue, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Disk
COMPUTER: IBM PC compati
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORIGINAL SOURCE:
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: NOVEL PROTEIN, AND METHOD OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: SHIMOMURA, Takeshi
KAWAGUCHI, Toshiya
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (ix) FEATURES: SEQUENCE DESCRIPTION: SEQ ID
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            739 GAAGACTACTGCCTCGCATCCAACAAGGTGGGTCGCTGCCGGGGGCTCTTTCCCAACGCTGG
                                                                                                                                                                                                                                                                                                                                          143 AAGAACAGCTACCGCTCTGAGGAGGCCTGCATGCTCCGCTG 183
                                                                                                                                                                                                                                                                                                                                                                                799 TACHATGACCCCACGGAGCAGATCTGCAAGAGTTTCGTTTATGGAGGCTGCTTGGGCAAC 858
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               23 GAAGAATACTGCACCGCCAACGCAGTCACTGGGCCTTGCCGTGCATCCTTCCCACGCTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                       AAGAACAACTACCTTCGGGAAGAAGAGTGCATTCTAGCCTG 899
                                                                                                                                                                                                                                                                                                                                                                                                                       TACTTTGACCTGGAGAGGAACTCCTGCAATAACTTCATCTATGGAGGCTGCCGGGGCAAT 142
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                          Corley, Neil C. Guegler, Karl J.
                                                                                                             Hillman, Jennifer L.
Tang, Y. Tom
Lal, Preeti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
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65.2%;
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Pred. No. 5.2e-09;
0; Mismatches 56;
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RESULT 23
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                                                                                                                                                                                                                                                                                                                                AMYLOID POLYPEPTIDE DERIVATIVES
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 7.9%; Score 68.6; DB 4; Length 1870; Best Local Similarity 63.8%; Pred. No. 3e-08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (650) 845-416 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: 361,9
FILING DATE: 06-JUN-1989
                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 33
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                APPLICANT: CORDELL, BARBARA; SCHILLING, JAMES W.; KATUNUMA, NOBUHIKO TITLE OF INVENTION: METHODS OF TREATMENT USING ALZHEIMER'S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: PF
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA: APPLICATION NUMBER: US
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/07/502,273 FILING DATE: 29-MAR-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
              APPLICATION NUMBER:
                                    FILING DATE:
                                                     FILING DATE: 30-JAN-1987
APPLICATION NUMBER: 948,376
                                                                     APPLICATION NUMBER: 8,810 FILING DATE: 30-JAN-1987
                                                                                                            APPLICATION NUMBER: 87,002 FILING DATE: 18-AUG-1987
                                                                                                                                                 APPLICATION NUMBER: 359,911 FILING DATE: 12-MAY-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET:
FILING DATE: 17-NOV-1986
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                              31-DEC-1986
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                  932,193
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Thes 59; Indels
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5220013-17
                                                          INHIBITORY AMYLOID PROTEIN AND METHOD OF USE
NUMBER OF SEQUENCES: 34
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                              RESULT 25
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                                                                                                                                                        ; BARBARA
                                                                                                                                                                                                    ;Patent No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQ ID NO:17:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches 100;
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FILING DATE: 06-JUN-1989 PRIOR APPLICATION DATA:
                                                                                                                                TITLE OF INVENTION: RECOMBINANT ALZHEIMER'S PROTEASE
                                                                                                                                                                          APPLICANT: SCHILLING, JAMES W.; PONTE, PHYLLIS A.; CORDELL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA
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APPLICATION NUMBER: 948,376
FILING DATE: 31-DEC-1986
                                     APPLICATION NUMBER: US/07/361,912
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APPLICATION NUMBER: 8,810
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 192
                                                                                                                                                                                                                                                                                                                                                          139 CAATAAGAACAGCTACCGCTCTGAGGAGGCCTGCATGCTCCGCTGCTTCCGC 190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    125 CAACCGTAACAACTTTGACACTGAAGAGTACTGCATGGCAGTGTGCGGCAGC 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            139 CAATAAGAACAGCTACCGCTCTGAGGAGGCCTGCATGCTCCGCTGCTTCCGC 190
                                                                                                                                                                                                                                                                                                           125 CAACCGTAACAACTTTGACACTGAAGAGTACTGCATGGCAGTGTGCGGCAGC 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100;
                                                                                                                                                                                                                                                                                                                                                                                                      65 CTGGTACTTTGATGTGACTGAAGGTAAGTGCGCTCCATTCTTTTACGGCGGTTGCGGCGG 124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19 CTATGAAGAATACTGCACCGCCAACGCAGTCACTGGGCCTTGCCGTGCATCCTTCCCACG 78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        65 CTGGTACTTTGATGTGACTGAAGGTAAGTGCGCTCCATTCTTTTACGGCGGTTGCGGCGG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   79 CTGGTACTTTGACGTGGAGAGGAACTCCTGCAATAACTTCATCTATGGAGGCTGCCGGGG 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       79 CTGGTACTTTGACGTGGAGAGGAACTCCTGCAATAACTTCATCTATGGAGGCTGCCGGGG 138
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                                                                                                                                                                                                    5223482
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5 CAACCCCGAGGTGTCCTCTGAACAAGCTGAGACTGGCCCGTGCCGTGCAATGATCTCCCC 64
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58.1%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          72; Indels
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5187153-24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO:17:
                                                                                                                                                                                                                                                                                          Query Match 6.5%;
Best Local Similarity 59.7%;
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                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/OFFILING DATE: 29-MAR-1990 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: CORDELL, BARBARA; SCHILLING, JAMES W.; KATUNUMA, NOBUHIKO TITLE OF INVENTION: METHODS OF TREATMENT USING ALZHEIMER'S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 87,002
FILING DATE: 18-AUG-1987
APPLICATION NUMBER: 8,810
FILING DATE: 30-JAN-1987
APPLICATION NUMBER: 948,376
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 948,376
FILING DATE: 31-DEC-1986
APPLICATION NUMBER: 932,193
FILING DATE: 17-NOV-1986
                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 245
                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 31-DEC-1986 APPLICATION NUMBER: 932,193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 359,911 FILING DATE: 12-MAY-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 361,912 FILING DATE: 06-JUN-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 18-AUG-1987
APPLICATION NUMBER: 8,810
FILING DATE: 30-JAN-1987
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 193
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 12-MAY-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER:
                                             152 TACCGCTCTGAGGAGGCCTGCATGCTCCGCTGCTTCCGC 190
                                                                                     131 GTGACTGAAGGTAAGTGCGCTCCATTCTTTTACGGCGGTTGCGGCGGCAACCGTAACAAC 190
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      191 TTTGACACTGAAGAGTACTGCATGGCAGTGTGCGGCAGC 229
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                                                                                                                                                                             71 TGCTCTGAACAAGCTGAGACTGGCCCGTGCCAATGATCTCCCCGCTGCTACTTTGAT 130
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5 CAACGGCGAGGTGTGCTCTGAACAAGCTGAGACTGGCCCGTGCCGATGATCTCCCG
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                                                                                                                                GTGGAGAGGAACTCCTGCAATAACTTCATCTATGGAGGCTGCCGGGGCAATAAGAACAGC 151
                                                                                                                                                                                                                      TGCACCGCCAACGCAGTCACTGGGCCTTGCCGTGCATCCTTCCCACGCTGGTACTTTGAC 91
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                                                                                                                                                                                                                                                                                       Score 56.6; DB 6; Pred. No. 1.4e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
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                                                                                                                                                                                                                                                                                                              DB 6;
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5223482-28
;Patent NO. 5223482
; APPLICANT: SCHILLING, JAMES W.;PONTE, PHYLLIS A.;CORDELL,
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                                                                     5223482-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; INHIBITORY AMYLOID PROTEIN AND METHOD OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 17-NOV-1986; SEQ ID NO:26:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; INHIBITORY AMYLOID PROTEIN AND METHOD OF USE
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                                                                                                            SEQ ID NO:28:
Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: 359,'
FILING DATE: 12-MAY-1989
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: SCHILLING, JAMES W.; PONTE, PHYLLIS A.; CORDELL,
                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: RECOMBINANT ALZHEIMER'S PROTEASE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 34 CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 34
                                                                                                                                FILING DATE: 30-JAN-1987
APPLICATION NUMBER: 948,376
FILING DATE: 31-DEC-1986
APPLICATION NUMBER: 932,193
FILING DATE: 17-NOV-1986
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APPLICATION NUMBER: 8,810
FILING DATE: 30-JAN-1987
APPLICATION NUMBER: 948,376
FILING DATE: 31-DEC-1986
                                                                                                                                                                                                                                      APPLICATION NUMBER: 87,002 FILING DATE: 18-AUG-1987 APPLICATION NUMBER: 8,810
                                                                                     LENGTH: 245
                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 06-JUN-1989
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APPLICATION NUMBER: 87,002
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les 95; Conserv
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    59.7%;
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Pred. No. 1.4e-05;
0; Mismatches 64;
    Score
Pred.
    56.6; DB 6;
No. 1.4e-05;
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Length 245;

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                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                       Query Match
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                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: McFadden, Katniec APPLICANT: Garrick, Brett L.
                                                                                                                                                                                                                           FEATURE:
                                                                                                                                                                                                                                          MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION: TELEPHONE: (202)672-5300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION DATA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: PROTEASE INHIBITOR PEPTIDES
                                                                                                      Local
                                                                                                                                                                                   NAME/KEY: CDS
LOCATION: 1..6
                                                                                                                                                                                                                                                                   TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Pelto, Don J.
REGISTRATION NUMBER: 33,754
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OPERATING SYSTEM:
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                                                                                                                                                                                                                                                                                 STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                           ENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          152 TACCGCTCTGAGGAGGCCTGCATGCTCCGCTGCTTCCGC 190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  131 GTGACTGAAGGTAAGTGCGCTCCATTCTTTTACGGCGGTTGCGGCGGCAACCGTAACAAC 190
                                     13 GTTCAACTATGAAGAATACTGCACCGCCAACGCAGTCACTGGGCCTTGCCGTGCATCCTT 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     92 GTGGAGAGGAACTCCTGCAATAACTTCATCTATGGAGGCTGCCGGGGCAATAAGAACAGC 151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             71 TGCTCTGAACAAGCTGAGACTGGCCCGTGCCGTGCAATGATCTCCCGCTGGTACTTTGAT 130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   32 TGCACCGCCAACGCAGTCACTGGGCCTTGCCGTGCATCCTTCCCACGCTGGTACTTTGAC 91
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GGTGACCAAAGCCGAGGTGTGCTCTGAACAAGCTGAGACCGGTCCGTGCCGTGCAATGAT 110
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                                                                                                                                                                                                                                                                                                                                                                                      904136
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                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                         (202)672-5399
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                                                                                                                                                                                 1..699
                                                                                                                                                                                                                                                                   linear
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                                                                                                  6.4%; score 55.8; DB 2; Length 704; 58.9%; Pred. No. 3.6e-05;
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                                                                                                Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Pelto, Don J.
REGISTRATION NUMBER: 33,754
REFERENCE/DOCKET NUMBER: 56
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA: APPLICATION NUMBER: US
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                                                                                                                                                                                                                                                                     FEATURE:
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ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: PROTEASE INHIBITOR PEPTIDES NUMBER OF SEQUENCES: 228
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                                                                                                                                             Local Similarity es 96; Conserv
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111 CTTCCGCTGGTACTTTGACGTCACTGAAGGTAAGTGCGCTCCATTCTTTTACGGCGGTTG 170
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                                 73 CCCACGCTGGTACTTTGACGTGGAGAGGAACTCCTGCAATAACTTCATCTATGGAGGCTG 132
                                                                      51 GGTGACCAAAGCCGAGGTGTGCTCTGAACAAGCTGAGACCGGTCCGTGCCGTGCAGCTAT 110
                                                                                                        13 GTTCAACTATGAAGAATACTGCACCGCCAACGCAGTCACTGGGGCCTTGCCGTGCATCCTT 72
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Lesikar, David D.
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                                                                                                                                             Conservative
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Maximum Match 100%
Listing first 100 summaries
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       27, 2003, 06:18:27; Search time 20.6177 Seconds
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US-08-778-683A-1

US-08-757-046A-5

US-09-447-208-5

US-09-447-208-5

US-09-277-716-5

US-09-277-716-5

US-09-90-161B-5

US-09-90-161B-5

US-09-90-103-5

US-09-90-103-5

US-09-90-103-5

US-09-10-745-1

US-09-10-741-1

US-09-10-741-1

US-09-10-74-52

US-08-599-252-79

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US-08-448-106-17
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GENERAL INFORMATION:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
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APPLICANT: Mali, Markku
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ATTORNEY/AGENT INFORMATION:
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PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: Suppression of Tumor Cell Growth TITLE OF INVENTION: Syndecan-1 Ectodomain
                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: 202-371-2600
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LOCATION:
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244 TTAATCCAATGGGTTTTTCTCTGTACAGTAGATTTTCCAAATGTAATAAACTTTAATATA 303
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DEDNESS: both
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                                  GUCTGGAATCAGGAATATTTTCCAAAGAGTCATAGTCTTTTGCTTTTGGCAAAAACTCTAC 2338
                                                                      GGCTGGAATCAGGAATATTTTCCAAAGAGTGATAGTCTTTTTGCTTTTTGGCAAAACTCTAC 243
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Sequence 1, Application US/08472217

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; OTHER INFORMATION: n =
US-09-643-597-134
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Best Local Similarity
Matches 293; Conserv
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CURRENT FILING DATE: 2000-08-21
NUMBER OF SEQ ID NOS: 369
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
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                                304 AAGTA 308
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Fan, Ligun
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Pred. No. 1.4e-67;
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CURRENT APPLICATION DATA:
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25537 AGCTCCTGTGGCCCC-----GCCCCCAGGCTGGAGTCAGAAATGTTTCCCAAAGAGTG- 25589
                                                                     25478 AAGACACCTTGAGTATGGCTGGCACTG-GTTCCTCCATCAAGAACCAAGTTCACCTTC 25536
                                                                                                                                       25419 GCCCAAGCGTCTCCCACCTTTGGTACCATCTCTA-GTCATCCTTCCTCCCGGGAAGTTGAC 25477
                                 156 AGCTCCTGTGGCCCCACCCTGGGCCTGGGCTGGGAATCAGGAATATTTTCCAAAGAGTGA 215
                                                                                                                                                        36 GACCACGCCCGTCCTGCCTGCGCGCCGTCTCCAGGGGCTGCTTCCTCCTGGAAATTGAC 95
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W rri, Anni
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Jalkanen, Markku
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IBM PC compatible
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   Matches
                                Query Match
   Best Local Similarity Matches 208; Conserv
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                                                                                                                         FEATURE
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ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                              TYPE:
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SOFTWARE: PatentIn Release #1.0
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STRANDEDNESS: single
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13-JUN-1994
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76.2%;
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Score 113; DB 2; Length 26700; Pred. No. 6.8e-21; 0; Mismatches 50; Indels 15
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Indels 15;
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36 GACCACGCCGTCCTGCCTGTGGCGCCGTCTCCAGGGGCTGCTTCCTCCTGGAAATTGAC 95

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US-08-760-534A-1
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                                                                                                                                                                                                         TELEFAX: (202) 371-2540 INFORMATION FOR SEQ ID NO: 1:
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                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 26700 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
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CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                         FILING DATE: 01-DEC-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 435
PRICK APPLICATION DATA:
APPLICATION NUMBER: US 08
FILLING DATE: 07-MAR-1994
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                                                                          FEATURE:
                                                                                            MOLECULE TYPE:
                 NAME/KEY:
LOCATION:
LOCATION:
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ZIP: 20005-3934
                                                                                                                                                                                                                                                                                                     NAME: CIMBALA, MICHELE REGISTRATION NUMBER: 33
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OPERATING SYSTEM: PC-DOS/MS-DOS
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1100 NEW YORK AVENUE, SUITE 600
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                                                         CDS
                 join(4378..4443, 22026..22106, 23001..23483,
23905..24039, 24251..24418)
                                                                                                              Linear
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Best Local :
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RESULT 6
US-08-078-683A-1
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                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER KEAURDLIAND disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII (text)
CURRENT APPLICATION DATA:
CURRENT APPLICATION NUMBER: US/08/078,683A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                                                                                                              TELEFAX: (617) 227-59 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/00 FILING DATE: 17-JUN-1993 CLASSIFICATION: 435 ATTORNEY/AGENT INFORMATION:
                                                         FEATURE:
                                                                                                                MOLECULE TYPE: cDNA FEATURE:
                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION: TELEPHONE: (617) 227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STATE: 1
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CITY: I
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OTHER INFORMATION: /function= "Exon 1/Exon2 boundary"
                   LOCATION:
                                     NAME/KEY:
                                                                          LOCATION:
                                                                                              NAME/KEY:
                                                                                                                                                     TOPOLOGY:
                                                                                                                                                                   TYPE: nucleic acid STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                         REGISTRATION NUMBER: 36, REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                NAME:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       216 TAGTCTTTTGGCAAAACTCTACTTAATCCAATGGGTTTTTCTCTGTACAGTAGA 275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  156 AGCTCCTGTGGCCCCACCCTGGGCCCTGGGCTGGAATCAGGAATATTTTCCAAAGAGTGA 215
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08; Conservative
                                                                                                                                                                                                                                                                                                                                                              Vincent, Matthew P
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                                                                                                                                                                                                         2432 base pairs
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Bernfield, Merton
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                                     misc_feature
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76.2%;
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Pred. No. 6.8e-21;
0; Mismatches 50
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D<sub>b</sub>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                       SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
                                                                                                                                                  FILING DATE: 02-06-96 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM: MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Bryan, Bruce Tiffle OF INVENTION: BIO
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                                                                    TELECOMMUNICATION INFORMATION: TELEPHONE: 619-238-0999
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                                                                                                                                                                  APPLICATION NUMBER: 01
                                                                                                                                                                                                                         FILING DATE: 11-25-96 CLASSIFICATION: 435
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                                                                                                    REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 66
                                                                                                                                                                                                                                                                                                          OPERATING SYSTEM:
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                                                   TELEFAX: 619-238-0062
                                                               TELEPHONE:
                                                                                                                                        NAME:
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5. 5876995
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                                                                                                                                                                                                                                                                                                                                                                                                                             San Diego
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                                                                                                                                  Seidman, Stephanie L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TTTTGCAGATGTAATAAACTTTAATATAAAG 2431
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                                                                                                                                                                                                                                                                                                                                                                                                                                                1660 Union Street
                                                                                                                                                                                                                                                                                                                                                                                               USA
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                                                                                                                                                                                                                                                                                                                        IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Brown, Martin,
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76.48;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /function~
                                                                                                                                                                                                                                                         US/08/757,046A
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                                                                                                      6680-105B
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Pred. No. 3.5e-21;
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DATE: (1985);
DOCUMENT NUMBER: PATENT NO.:
US-08-757-046A-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 5, Application US/09447208 Patent No. 6113886
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 11.9%;
Best Local Similarity 58.8%;
Matches 67; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Bryan, Bruce TITLE OF INVENTION: BIOLUMINESCENT NUMBER OF SEQUENCES: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PUBLICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: CI
HYPOTHETICAL: NO
ANTI-SENSE: NO
                                                                                                                                                         CLASSIFICATION:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                         CLASSIFICATION:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                          CURRENT APPLICATION DATA: APPLICATION NUMBER: US
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FRAGMENT TYPE:
                                          FILING DATE: 02-06-96
ATTORNEY/AGENT INFORMATION:
                                                                                            PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  JOURNAL:
VOLUME:
                                                                                                                                                                                           APPLICATION NUMBER: 0' FILING DATE: 08-17-98
                                                                                                                                                                                                                                                                                                                                                                                           ZIP:
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LOCATION: 115...702
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY:
             NAME: Seidman, Stephanie L
REGISTRATION NUMBER: 33,77
                                                              APPLICATION NUMBER: 0 FILING DATE: 02-06-96
                                                                                                               CLASSIFICATION:
                                                                                                                           APPLICATION NUMBER: FILING DATE: 11-25
                                                                                                                                                                                                                                                             FILING DATE:
                                                                                                                                                                                                                                                                                                          SOFTWARE:
                                                                                                                                                                                                                                                                                                                          OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                          COMPUTER:
                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE:
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REFERENCE/DOCKET NUMBER: 24727-105C
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                                                                                                                                                                                                                                                                                                                                                                                                           USA
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                                                                                                                                                                                                                                                                                                          FastSEQ Version 1.5
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Pred. No. 0.16;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PUBLICATION INFORMATION: PUBLICATION INFORMATION: AUTHORS: Inouye et al.
               PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08
FILING DATE: 02-06-96
                                                                                                                                                                                                                                                                                                                                                                                                           THIFLE OF INVENTION: BIOLUMINESCENT ARTICLES OF NUMBER OF SEQUENCES: 14
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                                                                                                                                                                                   SOFTWARE: FastSEQ Version 1.5 CURRENT APPLICATION DATA:
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                                                                                                                  PRIOR APPLICATION DATA:
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ATTORNEY/AGENT INFORMATION:
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OTHER INFORMATION: apoaeq
                                                                                                                                                                                                                  COMPUTER: IBM CON OPERATING SYSTEM:
                                                                 CLASSIFICATION:
                                                                               APPLICATION NUMBER: 0: FILING DATE: 11-25-96
                                                                                                                                                 APPLICATION NUMBER: US/09/135,988 FILING DATE:
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PAGES: 3154-3158
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                                                                                                                                     CLASSIFICATION:
                                                                                                                                                                                                                                                      MEDIUM TYPE:
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US-09-277-716-5
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                                                                                                                                                                      SOFTWARE: Patentin Ver. 2.0 SEQ ID NO 5
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APPLICANT: Szent-Gyorgyi, Christopher
APPLICANT: PROLUME, LID:
TITLE OF INVENTION: LUCIFERASES, FLUORESCENT PROTEINS, NUCLEIC ACIDS ENCODING THE
CURRENT APPLICATION NUMBER: US/09/277,716A
CURRENT FILING DATE: 1999-03-26
                                                                                                                                                                                                              NUMBER OF SEQ ID NOS: 32
                                                                                                                                                                                                                              EARLIER APPLICATION NUMBER: 60/079,624 EARLIER FILING DATE: 1998-03-27
                                                                                                                                                                                                                                                                   EARLIER APPLICATION NUMBER: 60/089,367
EARLIER FILING DATE: 1998-06-15
                                                                                                                                                                                                                                                                                                         EARLIER APPLICATION NUMBER: 60/102,939
EARLIER FILING DATE: 1998-10-01
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PUBLICATION INFORMATION:
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MOLECULE TYPE: CDN
MOLECULE TYPE: CDN
                                                                                                FEATURE
                                                                                                            ORGANISM: Aequorea (luminescent jellyfish)
                                                                                                                                    TYPE: DNA
                OTHER INFORMATION: Appaequorin-encoding gene
                                      FEATURE:
                                                      LOCATION: (115)..(702)
                                                                          NAME/KEY: CDS
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LENGTH: 958 base pairs
TYPE: nucleic acid
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ANTI-SENSE: NO
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PAGES: 3154-3
DATE: (1985)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    812 GTGTTGATTTTTGTAATTAGGAACAGATTAAATCGAATGATTAGTTGTTTTTTAATCAA 871
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PAGES: 3154-3158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE: Cloning and sequence analysis of cDNA for the luminescent protein JOURNAL: Proc. Natl. Acad. Sci. USA
                                                 MOLECULE TYPE: (HYPOTHETICAL: NO ANTI-SENSE: NO FRAGMENT TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DATE: 1985-05
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PATENT FILING DATE: 1987-10-08
PUBLICATION DATE: 1992-03-03
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: BIOLUMINESCENT NOVELTY ITEMS NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
                     FEATURE:
                                   ORIGINAL SOURCE:
                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                         NAME: Seidman, Stephanie I
REGISTRATION NUMBER: 33,77
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CITY: San Diego
NAME/KEY: Coding Sequence
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Local Similarity 58.8%;
les 67; Conservation
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1660 Union Street
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; GENERAL INFORMATION:
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                                                                                                                                                                             INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION DATA:
PRIOR APPLICATION NUMBER: 60/023,374
                                                                                                                                                                                                                                                                                                                                                                                                                                      OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: DETECTION AND VISUALIZATION OF TITLE OF INVENTION: NEOPLASTIC TISSUES AND OTHER TISSUES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PUBLICATION INFORMATION:
DOCUMENT NUMBER: 5,093,240
AUTHORS: Inouye et al.
ORIGINAL SOURCE: FEATURE:
                                              HYPOTHETICAL: NO
                                                                            MOLECULE TYPE:
                                                                                                                                                              SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                           TELECOMMUNICATION INFORMATION: TELEPHONE: 619-238-0999
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                                FRAGMENT TYPE
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                                                                                                                                                                                                                                                                                                                           CLASSIFICATION:
                                                                                                                                                                                                                                                                           NAME: Seidman, Stephanie L
REGISTRATION NUMBER: 33,779
                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: FILING DATE: 08-AU
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DATE: (1985)
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                                                                                                 TOPOLOGY:
                                                                                                             STRANDEDNESS:
                                                                                                                                 TYPE:
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Local Similarity 58.8%;
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                                                                                                                                               LENGTH:
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1660 Union Street
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                                                 PUBLICATION INFORMATION:
AUTHORS: Inouye, S.
AUTHORS: No. 6436682uchi, M.
AUTHORS: Sakaki, Y.
AUTHORS: Takagi, Y.
AUTHORS: Takagi, Y.
AUTHORS: Iwanaga, S.
AUTHORS: Iwanaga, S.
AUTHORS: Iwanaga, S.
AUTHORS: Miyata, T.
AUTHORS: Miyata, T.
AUTHORS: Tauji, F.I.
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APPLICANT: PROLUME, LTD.
TITLE OF INVENTION: LUCIFERASES, FLUORESCENT PROTEINS, NUCLEIC ACIDS ENCODING THE LUCITITLE OF INVENTION: AND FLUORESCENT PROTEINS AND THE USE THEREOF IN DIAGNOSTICS, HIG TITLE OF INVENTION: SCREENING AND NOVELTY ITEMS
FILE REFERENCE: 24729-121B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: 60/079,624 PRIOR FILING DATE: 1998-03-27 NUMBER OF SEQ ID NOS: 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: PatentIn Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR FILING DATE: 1998-06-15
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PRIOR FILING DATE: 1998-10-01
PRIOR APPLICATION NUMBER: 60/089,367
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                                                                                                                                                                                                                                                             PUBLICATION INFORMATION:
PATENT DOCUMENT NUMBER: US 07/105,602
                                     TITLE:
                                                                                                                                                                                                                         PATENT FILING DATE: 1987-10-08 PUBLICATION DATE: 1992-03-03
                                                                                                                                                                                                                                                                                                LOCATION: (115)..(702)
OTHER INFORMATION: Apoaequorin-encoding gene
                                                                                                                                                                                                                                                                                                                                         FEATURE:
NAME/KEY: CDS
                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Aequorea (luminescent jellyfish)
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             TITLE: aequorin
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AUTHORS: Inouye et al.
JOURNAL: Proc. Natl. Acad. Sci. U.S.A.
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Local Similarity 58.88;
hes 67; Conservative
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LOCATION:
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                               Cloning and sequence analysis of cDNA for the luminescent protein
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Natl. Acad. Sci. USA
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US-08-990-103-5
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Best Local
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PAGES: 3154-3158
                                     FEATURE:
                                                                                            ANTI-SENSE: NO
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TOPOLOGY: lir
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Sequence 5, Application US/08990103 Patent No. 6458547
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Matches 67; Conserv
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                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO:
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/990,103
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
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APPLICANT: Stephen Gaalema
APPLICANT: Randall B. Murphy
                                                                                                         MOLECULE TYPE: CL
                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 60/0: FILING DATE: 12-DEC-1996 ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: APPARATUS AND METHOD FOR DETECTING AND TITLE OF INVENTION: IDENTIFYING INFECTIOUS AGENTS
                                                   FRAGMENT TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
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FILING DATE: 02-FEB-1997
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                                                                                                                                                                                                                                                                          TELEFAX: 619-238-0062
                                                                                                                                                                                                                                                                                                                                                               NAME: Seidman, Stephanie L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    812 GTGTTGATTTTTGTAATTAGGAACAGATTAAATCGAATGATTAGTTGTTTTTTTAATCAA 871
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Coding Sequence
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                                                                                                                                US-08-446-855A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 1, Application US/08446855A Patent No. 5849573
                                                                Matches
                                                                Best Local Similarity Matches 72; Conserv
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                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER: 47
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-816-4000
                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
NAME: Mitchard, Leonard C
REGISTRATION NUMBER: 29.009
                                                                                                                                            TOPOLOGY: 1 MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: O'SULLIV
TITLE OF INVENTION:
TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:
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                                                                                                                                                                            STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/08/446,855A FILING DATE: 06-Jul-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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ZIP: 22201-4714
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE: Virginia
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nes 67; Conser
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DATE: (1985)
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                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DOCUMENT NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        VOLUME:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         JOURNAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AUTHORS:
                                                                                                                                                                                                               LENGTH:
8631 AAATTTTTGTTATATATACAAATTTTATTTATTCACTCATATGTATAAACCAAAATGGTT 8690
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        812 GTGTTGATTTTTGTAATTAGGAACAGATTAAATCGAATGATTAGTTGTTTTTTTAATCAA 871
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                                                                                                                                                                                           nucleic acid
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                                                                                                                                                                                                            8920 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         E: Nixon & Vanderhye PC
1100 No. 5849573th Glebe Road, 8th Floor
                                                                                                                                                                                                                                                             703-816-4100
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Flores, Maria V
O'Sullivan, William J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Proc. Natl. Acad.
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                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                            PatentIn Release #1.24
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58.8%;
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                                                                             Score 38.4; DB 2; Pred. No. 0.49;
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Pred. No. 0.16;
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TITLE OF INVENTION: Synthetase II
FILE REFERENCE:
                                                                                                                                                                                                                                                                      Sequence 1, Application US/09057762 Patent No. 5879909 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: PatentIn Ver. 2.0 SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
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Patent No. 6183996
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Best Local
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EARLIER FILING DATE: 1995-07-06
NUMBER OF SEQ ID NOS: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EARLIER APPLICATION NUMBER: P16380
EARLIER FILING DATE: 1992-12-16
EARLIER APPLICATION NUMBER: AU93/00617
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/150,741 CURRENT FILING DATE: 1998-09-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Stewart et al.
TITLE OF INVENTION: Nucleotide Sequence Encoding Carbamoyl Phosphate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EARLIER FILING DATE: 1993-12-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                 APPLICANT: PERL, ANDRAS
TITLE OF INVENTION: HUMAN TRANSALDOLASE: AN AUTOANTIGEN WITH
TITLE OF INVENTION: A FUNCTION IN METABOLISM
NUMBER OF SEQUENCES: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ENGTH: 8920
                                                                                                                                                                              CORRESPONDENCE ADDRESS:
                                                                      COUNTRY: USA
ZIP: 20006-1812
                                                                                                                         CITY: Washington
COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                          STATE: D.C
                                                                                                                                              STREET:
                                                                                                                                                             ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8631 ABATTTTTGTTATATATACABATTTTATTTATTCACTCATATGTATABACCABBATGGTT
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72; Conserv
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56.2%;
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US-08-326-119A-1
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                                                                                                                                                                               COMPOTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: HUMAN TRANSALDOLASE: AN TITLE OF INVENTION: A FUNCTION IN METABOLISM NUMBER OF SEQUENCES: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER: 28
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
TELEFAX: (202) 822-0168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION UNMEER: US 08/326,119
FILING DATE: 19-0CT-1994
                                                                                               ATTORNEY/AGENT INFORMATION: NAME: LIVNAT, SHMUEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
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                                              REFERENCE/DOCKET NUMBER: 28
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                   ZIP:
TELEPHONE: (202) 00:

TELEPHONE: (202) 822-0168
                                                                                                                                               APPLICATION NUMBER: FILING DATE: 19-00
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                                                                            NAME: LIVNAT, SHMUEL
REGISTRATION NUMBER: 33,949
                                                                                                                                                                                                                                                                                                                                      CITY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: LIVNAT, SHMUEL REGISTRATION NUMBER: 33,949
                                                                                                                                  CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                   COUNTRY:
                                                                                                                                                                                                                                                                                                                    STATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1254 АЛАВАЛАЛАЛАЛАЛАЛАЛАЛАЛАЛАЛАЛАЛАЛАЛАЛАЛ 1292
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                                                                                                                                                                                                                                                                                                                                Washington
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                               (202) 887-1500
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                                                                280932000100
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                                                                ; TOPOLOGY: US-08-599-252-79
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches 61;
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US-08-599-252-79/c
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Best Local Similarity 55.3%; Matches 73; Conservative
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Best Local Similarity 61.6%;
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                                                                                                                                                              INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: GNIRKE, ANDREAS
APPLICANT: KIMMEL, BRUCE E.
APPLICANT: THOMAS, WINSTON J.
APPLICANT: WOLFF, ROGER K.
TITLE OF INVENTION: METHOD TO DIAGNOSE HEREDITARY
TITLE OF INVENTION: HEMOCHROMATOSIS
                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: DRAYNA, DENNIS T
                                                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                           STRANDEDNESS: S1:
TOPOLOGY: linear
                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                  NAME: MURASHIGE, KATE H
REGISTRATION NUMBER: 29,
                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: MORRISON & tULKSILK
STREET: 2000 Pennsylvania Ave. N.W., Suite 5500
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                                                                                                                                                                                                                                  TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/08/599,252
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1194 TITATGTAAAATTTTGCCTAATACATTAAAGCAGTCACTTTTCCTGTGCTGTTTCAAAAA 1253
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        227 TTTTGGCAAAACTCTACTTAATCCAATGGGTTTTTCTCTGTACAGTAGATTTTCCAAATG 286
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                                                                                                                            nucleic acid
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                                                                                                                                                                                                                (202) 887-1500
(202) 887-0763
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                                                                                                           single
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          0;
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                        Score 37.6;
Pred. No. 0.
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          Mismatches
                        0.38;
                                         DB 1;
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          59;
                                         Length 1260;
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US-08-436-074-52/c
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                                                                                                                                                                      Query Match
Best Local Similarity
Matches 73; Conserv
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TELEX: 90-4030
INFORMATION FOR SEQ ID NO: 1
                                                                                                                                                                                                                                                                                                                                                                                              REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 90
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: LEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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APPLICANT: WOLFF, ROGER K.

TITLE OF INVENTION: HEMOCHROMATOSIS

TITLE OF INVENTION: HEMOCHROMATOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: FEDER, JOHN N.
APPLICANT: GNIRKE, ANDREAS
APPLICANT: KIMMEL, BRUCE E.
                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 1260 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/0 FILING DATE: 08-MAY-1995 CLASSIFICATION: 436
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: Washington
                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: MORRISON & FOERSTER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME:
                              250 CAATGGGTTTTTCTCTGTACAGTAGATTTTCCAAATGTAAAGTTAAAAGTTAA 309
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                                                              CAATGGGTTTTTCTCTGTACAGTAGATTTTCCAAATGTAATAAACTTTAATATAAAGTAA 309
                                                                                              ACTGATGCATTTTTGCAAAAGACTTTTTTTTTTTTAATAAAGATTTTTAAGG 146
                                                                                                                  AATCAGGAATATTITCCAAAGAGTGATAGTCTTTTGCTTTTTGGCAAAACTCTACTTAATC 249
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                                                                                                                                                                                    11.6%; 55.3%;
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                                                                                                                                                                  Score 37.6; DB 1;
Pred. No. 0.38;
0; Mismatches 59;
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RESULT 22
PCT-US96-06583-79/c
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; GENERAL INFORMATION:
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                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                           Query Match
Best Local :
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SEQUENCE CHARACTERISTICS:
LENGTH: 1260 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 09-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: MURASHIGE, KATE H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/06352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: KIMMEL, BRUCE E. APPLICANT: THOMAS, WINSTON J. APPLICANT: WOLFF, ROGER K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                  ELECUTAL: (202) F
                                                                                                                                                                                                                                                          Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
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TOPOLOGY: linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION:
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                                                                                                                                                                                                                                                                                                                                                    TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER: 9053-0001.21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE
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                                                                                        310 AAAAAAAAAAA 321
                                                                                                                    250 CAATGGGTTTTTCTCTGTACAGTAGATTTTCCAAATGTAATAAACTTTAATATAAAGTAA 309
                                                                                                                                                                           205 ACTGATGCATTTTTGCAAATGTCTGAAAGACTTTGTCTTTTTAATAAAGTTTTCTTAAGG 146
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55.3%;
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                                                                                                                                                                                                                                          59;
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; Sequence 79, Application PC/TUS9606583
; GENERAL INFORMATION:

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                                                                                                                                  Patent No.
                                                                                                                                    Sequence 10, Application US/08684862 Patent No. 5759541
                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 73; Conserv
            GENERAL INFORMATION:
APPLICANT: Bach, Alfred
APPLICANT: Hillen, Heinz
APPLICANT: Bialojan, Siegfried
TITLE OF INVENTION: No. 579541el Proteins, the Preparation and Use
TITLE OF INVENTION: Thereof
NUMBER OF SEQUENCES: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEX: 90-4030
INFORMATION FOR SEQ ID NO:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
TELEFAX: (202) 887-0763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION DATA:
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CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: KIMMEL, BRUCE E. APPLICANT: THOMAS, WINSTON J. APPLICANT: WOLFF, ROGER K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REGISTRATION NUMBER: 29, REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US 0 FILING DATE: 09-FEB-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: 2000 Peni
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: MORRISON & FURNALES STREET: 2000 Pennsylvania Ave. N.W., Suite 5500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE:
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                                                                                                                                                                                                                                                                         310 AAAAAAAAAAAA 321
                                                                                                                                                                                                                                                                                                       250 CAATGGGTTTTTCTCTGTACAGTAGATTTTCCAAATGTAATAAACTTTAATATAAAGTAA 309
                                                                                                                                                                                                                                                                                                                                                                        205 ACTGATGCATTTTTGCAAATGTCTGAAAGACTTTGTCTTTTTAATAAAGTTTTCTTAAGG 146
                                                                                                                                                                                                                                                                                                                                                                                                          190 AATCAGGAATATTTTCCAAAGAGTGATAGTCTTTTGCTTTTGGCAAAACTCTACTTAATC 249
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DEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1260 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DRAYNA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SYSTEM: PC-DOS/MS-DOS
PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FEDER,
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55.3%;
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                                                                                                                                                                                                                                                                                                       ; Sequence 75, Application US/09040984
; Patent No. 6210883
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Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Wang, TongTong
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS
TITLE OF INVENTION: OF LUNG CANCER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 30-DEC-19
APPLICATION NUMBER: PO
FILING DATE: 19-JUL-19
INFORMATION FOR SEQ ID NO:
                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
LOCATION:
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STREET: U...
STREET: U...
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LENGTH: 988 base pairs
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                                                                                                                                                                                                       NUMBER OF SEQUENCES:
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               COMPUTER: IBM COMPONENTING SYSTEM:
                                                                                   COUNTRY: U
ZIP: 98104
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CLASSIFICATION: 435
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/08/684,862
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Keil & Weinkauf
STREET: 1101 Connecticut Av
                                                                                                                                                                     ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                          973 AAAAAAAAA 981
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                                                                                                   USA
                                                                                                                                                  6300 Columbia Center, 701 Fifth Avenue
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IBM Compatible
SYSTEM: DOS
FastSEQ for Windows Version 2.0
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                                                  Diskette
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71.0%;
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                                                      Best Loc
Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Reed, Steven G.
APPLICANT: Wang, Tongtong
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY OF LUNG CANCER
FILE REFERENCE: 210121.455C1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: 09/040,802
PRIOR FILING DATE: 1998-03-18
NUMBER OF SEQ ID NOS: 114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/09/123,912A CURRENT FILING DATE: 1998-07-27
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                                                                                                                                   IOCATION: (539)
OTHER INFORMATION: Where n is a, c,
NAME/KEY: modified_base
LOCATION: (551)
OTHER INFORMATION: Where n is a, c,
                                                                                                                                                                                                                                         LOCATION: (513)
OTHER INFORMATION: Where n
                                                                                                                                                                                                                                                                                          LOCATION: (440)
OTHER INFORMATION: Where n
                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                         NAME/KEY: modified_base
                                                                                                                                                                                                                                                                                                                           NAME/KEY: modified_base
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APPLICATION NUMBER: US
                                                      Local Similarity hes 49; Conserv
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Local Similarity 67.18;
es 49; Conservation
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TYPE: nucleic acid
STRANDEDNESS: single
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REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 1 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: 206-282-6031
253 TGGGTTTTTCTCTGTACAGTAGATTTTCCAAATGTAAACTTTAATATAAAGTAAAAA 312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      253 TGGGTTTTTCTCTGTACAGTAGATTTTCCAAATGTAAAACTTTAATATATAAAGTAAAAA 312
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                                                      Conservative
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                                                    Score 36.4; DB Pred. No. 0.6; 0; Mismatches
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Pred. No. 0.6;
0; Mismatches 24;
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SEQ ID NO 75
LENGTH: 579
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                                                                                                                                                                                                                                       Sequence 1, Applic Patent No. 5876923
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/09/643,597
CURRENT FILING DATE: 2000-08-21
NUMBER OF SEQ ID NOS: 369
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APPLICANT:
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                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER FILE REFERENCE: 210121.455C11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
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                                                                                                                                                                 APPLICANT: Leopardi,
APPLICANT: Roizman, I
TITLE OF INVENTION: I
TITLE OF INVENTION: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PEATURE: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: n = A,T,C or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LOCATION: (1)
               COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                  CORRESPONDENCE ADDRESS
                                                                                                                                                   NUMBER OF SEQUENCES:
                                           COUNTRY: U:
ZIP: 77210
                                                                                        ADDRESSEE: AIHULL, ADDRESSEET: P.O. Box 4433
                                                                          STATE:
   COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                        566 AAAAAAAAAAA 578
                                                                                                                                                                                                                                                                                                                                                             313 AAAAAAAAAAAA 325
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                       Application US/08690473
                                                                          Texas
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Henderson, Robert A.
McNeill, Patricia D.
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Fan, Ligun
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Fanger, Gary R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kalos, Michael D.
                                                            USA
                                                                                                                                                                                                             Leopardi,
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
E: Floppy disk
IBM PC compatible
                                                                                                                    Arnold, White & Durkee
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11.2%;
67.1%;
                                                                                                                                                                INHIBITOR OF APOPTOSIS
                                                                                                                                                                              Bernard
HERPES SIMPLEX VIRUS ICP4
                                                                                                                                                                                                             Rosario
                                                                                                                                                                                                                                                                                                                                                                                                                                                    0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 36.4; D
Pred. No. 0.6;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 4; Length 579;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-690-473-1
                                                                                                                                                                                                                                                                                                                                                            US-09-259-821A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: LEOPARDI, ROSARIO
APPLICANT: ROIZMAN, BERNARD
TITLE OF INVENTION: HERPES SIMPLEX VIKUS ICP4 IS AN INHIBITOR OF APOPTOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 1, Application US/09259821A Patent No. 6210926
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                                                                                                                                                                                                                                                                                                              Query Match
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                                                                                                                                                                                                                                                                Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR FILING DATE: 1 NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: 08/690,473
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/259,821A CURRENT FILING DATE: 1999-03-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: HERPES VIRUS, TYPE 1
                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 4257 base pairs
TYPE: nucleic acid
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                                                                                                                                                                                                                                                                               y Match 11.1%; Score 36.2; DB 4; Length 4257; Local Similarity 56.8%; Pred. No. 1.4;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/690,473
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                   586 GGGGACGCCGTCTCGCCGCACAGCTGGCTCTCCATGCTAGAGGAGCCCGTC 645
                          152 CGTTAGCTCCTGTGCCCCACCCTGGGCCCTGGGC 186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      646 CGGACGATCCCGACGCCGACCCCGCGGCCTCGCC 680
                                                                                                                                                               526 GACGACGCCCGGCGGGACGGGAGGGCCCCCCCGCGGCGACCCCGACGCCGAGGACGCC 585
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           586 GGGGACGCCGTCTCGCCGCGACAGCTGGCTCTGCCTGGCCTCCATGGTAGAGGAGGCCGTC 645
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                                                                                                             96 GAGG----GGTGTCTTGGGCAGAGCTGGCTCTGAGGCCTCCATCCAAGGCCAGGTTCTC 151
                                                                                                                                                                                                           36 GACCACGCCCGTCCTGCCTGTGGCGCCCGTCTCCAGGGGCTGCTTCCTCCTGGAAATTGAC 95
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PatentIn Ver. 2.1
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                                                                                                                                                                                                                                                              Conservative
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       26-JUL-1996
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                                                                                                                                                                                                                                                       0; Mismatches 63; Indels 4; Gaps
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; Patent No. 6218103
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INFORMATION FOR SEQ ID NO:
                                                                                  APPLICANT: Lamppa, Gayle K.
TITLE OF INVENTION: THAT CLEAVES PRECURSOR POLYPEPTIDES
                                              NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
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APPLICANT: Roizman, Bernard
TITLE OF INVENTION: HERPES SIMPLEX VIRUS US3 AND ICP4 AS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER: ARSB:519
TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
STREET: P.O. Box 10395
                          ADDRESSEE: BRINKS HOFER GILSON & LIONE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/08/843,659 FILING DATE: Concurrently Herewit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REGISTRATION NUMBER: 37,642
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION:
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                                                                                                                                                                                                                                                                                                                           646 CGGACGATCCCGACGCCCGACCCCGCGGCCTCGCC 680
                                                                                                                                                                                                                                                                                                                                                                                                                    586 GGGGACGCCGTCTCGCCGCGACAGCTGGCTCTGCTGGCCTCCATGGTAGAGGAGGCCGTC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                96 GAGG----GGTGTCTTGGGCAGAGCTGGCTCTGAGCGCCTCCATCCAAGGCCAGGTTCTC 151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         36 GACCACGCCCGTCCTGCCTGTGGCGCCCCTCTCCAGGGGGCTGCTTCCTCCTGGAAATTGAC 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          88; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Application US/08843659
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Gaps

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ATTORNEY_AGENT INFORMATION:
NAME: MATTION Alice O.
REGISTRATION NUMBER: 35,601
REFERENCE/DOCKET NUMBER: 7814/16
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312 321-4290
TELEPHONE: 312 321-4299
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 437 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: CDNA
                                                                                                    Qy
                                                                                                                                      рb
                                                                                                                                                                     Qy
Search completed: May 27, 2003, 08:04:32 Job time: 25.6177 secs
                                                                     Db
                                                                                                                                                                                                    Query Match 11.1%; Score 36.2; DB 3; Length 4337; Best Local Similarity 59.0%; Pred. No. 1.5; Matches 62; Conservative 0; Mismatches 43; Indels 0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY: USA
ZIP: 60610
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/187,049
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/695,177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Chicago
STATE: IL
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Minimum DB .
Maximum DB
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Perfect score:
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2: /cgn2_6/ptodata/2/pubpna/P

3: /cgn2_6/ptodata/2/pubpna/U

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Maximum Match 100%
Listing first 100 summaries
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/cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
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10 US-09-897-778-134

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10 US-09-918-925-8387

10 US-09-918-925-1041

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10 US-09-949-626-1041

10 US-10-079-623-76

10 US-09-910-943-361

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US-09-988-99-5
US-09-988-95-5
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US-09-978-98-99-838-210
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US-09-978-193A-210

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                                sequence 24, Appl
Sequence 80, Appl
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Sequence 77, Appl
Sequence 77, Appl
Sequence 248, Appl
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Sequence 3912, App
Sequence 3914, App
Sequence 9856, App
Sequence 9856, App
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Sequence 9351, Appl
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Sequence 9354, Appl
Sequence 9354, Appl
Sequence 1222, Appli
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Sequence 20, Ap
Sequence 12673
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RESULT 2
US-09-735-705-134
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
                                                           GENERAL INFORMATION:
                                                                       Sequence 134, Application US/09735705 Patent No. US20020052329A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches 303;
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Best Local
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CURRENT APPLICATION NUMBER: US/09/925,302
CURRENT SILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05918
PRIOR FILING DATE: 2000-03-08
   APPLICANT:
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SOFTWARE: PatentIn Ver. 2.0
                               APPLICANT:
                                            APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: 60/124,270
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Local Similarity 99.3%;
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Fan, Ligun
Kalos, Michael
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                                                                                                                                                                                                                     THAATCCAATGGTTTTTCCCTGTACAGTAGATTTTCCAAATGTAATAAACTTTAATATA
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 Bangur, Chaitanya S.
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10 US-09-850-716A-75
10 US-09-893-778-75
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9 US-09-7304-853-77
9 US-09-825-288A-1
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Pred. No. 1.2e
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Sequence 75, Appl
Sequence 75, Appl
Sequence 693, App
Sequence 68, Appl
Sequence 15, Appl
Sequence 77, Appl
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; NAME/KEV: misc_feature
; LOCATION: (1)...(4797)
; OTHER INFORMATION: n = A
US-09-735-705-134
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SOFTWARE: Fast:
SEQ ID NO 134
FENGTH: 4797
                                                                                                                                                                                                    Sequence 134, Application US/09850716A Patent No. US20020115139A1 GENERAL INFORMATION:
                                         SOFTWARE: FastSEQ for Windows Version SEQ ID NO 134
                                                                                                            APPLICANT: Kalos, Michael D.
APPLICANT: MCNeill, Patricia D.
APPLICANT: Retter, Marc W.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455015
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Best Local
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APPLICANT: McNeill, Patricia D.
APPLICANT: McNeill, Patricia D.
APPLICANT: Fanger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455014
CURRENT FILING DATE: 2000-12-12
CURRENT FILING DATE: 2000-12-12
CURRENT SEQ ID NOS: 419
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                                                                                   CURRENT APPLICATION NUMBER: US/09/850,716A CURRENT FILING DATE: 2001-05-07
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                                                                      NUMBER OF SEQ ID NOS:
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 ORGANISM: Homo
               TYPE: DNA
                         LENGTH: 4797
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Skeiky, Yasir A.W.
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Fanger, Gary
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OTHER INFORMATION: Genbank Accession NAME/KEY: unsure: LOCATION: (1)..(4797)
OTHER INFORMATION: n = a or c or g or US-09-880-107-3939
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; LOCATION: (1)...(4797)
; OTHER INFORMATION: n =
US-09-850-716A-134
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SEQ ID NO 3939
LENGTH: 4797
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                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/880,107 CURRENT FILING DATE: 2001-06-14
                                                                                                                                                                                                                                                                                                                                                                                                                 FILE REFERENCE: 44921-5028-WO
                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: US 60/237,054 PRIOR FILING DATE: 2000-10-02
                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: US 60/211,379 PRIOR FILING DATE: 2000-06-14
                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: Gene Expression Profiles
                                                                                                                                                                                                                                                                                                      NUMBER OF SEQ ID NOS: 3950
                                                                                                                                                                                                                     ORGANISM: Homo sapiens
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Scherf, Uwe
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; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 135, 501, 4421
; OTHER INFORMATION: n - A
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SEQ ID NO 134
LENGTH: 4797
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 134, Application US/09897778 Patent No. US20020147143A1
                                                                                                                                                                                                                                                                                           Matches 293;
                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILE REFERENCE: 210121.455C16
CURRENT APPLICATION NUMBER: U5/09/897,778
CURRENT FILING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Wang, Tongtong APPLICANT: Marnerakis, M
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                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: Homo sapiens
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244 TTAATCCAATGGGTTTTTCTCTGTACAGTAGATTTTCCAAATGTAATAAACTTTAATATA 303
                                                                                                                          124 GAGCGCCTCCATCCAAGGCCAGGTTCTCCGTTAGCTCCTGTGGCCCCACCCTGGGCCCTG 183
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Carter, Darrick
Watanabe, Yoshihiro
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                                               GGCTGGAATCAGGAATATTTTCCAAAGAGTGATAGTCTTTTGCTTTTGCTATTTGCAAAACTCTAC
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                                                                                          GAGCGCCTCCATCCAAGGCCAGGTTCTCCGTTAGCTCCTGTGGCCCCACCCTGGGCCCCTG
                                                                                                                                                          TCTCCAGGGGCTGCTTCCTCCTGGAAATTGACGAGGGGTGTCTTGGGCAGAGCTGGCTCT 3884
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                               GGCTGGAATCAGGAATATTTTCCAAAGAGTGATAGTCTTTTGCTTTTGGCAAAACTCTAC
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Peckham, David W.
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96.18;
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Pred. No. 6.3e-67;
0; Mismatches 12;
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Db Ϋ́ DЪ

4065 AAGTA 4069

304 AAGTA 308

4005

GENERAL INFORMATION:

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Sequence 1041, Application US/09736457 Patent No. US20020168637A1
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Sequence 8387, Application US/09918995
Publication No. US20030073823A1
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TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
FILE REFERENCE: 20411-756
CURRENT APPLICATION NUMBER: US/09/918,995
CURRENT FILING DATE: 2001-07-30
                   TITLE OF INVENTION: COMPOSITIONS AND METHODS TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER FILE REFERENCE: 210121.478C15
CURRENT APPLICATION NUMBER: US/09/736,457
CURRENT FILING DATE: 2000-12-13
NUMBER OF SEQ ID NOS: 1864
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PRIOR FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SOFTMARE: FastSEQ for Windows Version 3.0
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Lodes, Michael A.
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100.0%;
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APPLICANT: Wang, Tongtong
APPLICANT: Watnabe, Yoshihiro
APPLICANT: Johnson, Jeffrey C.
APPLICANT: Retter, Marc W.
APPLICANT: Marnerakis, Margarita
APPLICANT: Carter, Darrick
                                                                                                                                                                                              Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/09/902,941
CURRENT FILING DATE: 2001-07-10
NUMBER OF SEQ ID NOS: 2002
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1041
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 1041, Application US/09902941 Patent No. US20020172952A1
                                                                                                                                                                                                                               Query Match
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER FILE REFERENCE: 210121.478C17
                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 49
TYPE: DNA
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TYPE: DNA
                                                                                                                                                                                                                                                                                                       FEATURE:
NAME/KEY: misc_feature
LOCATION: 473
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LOCATION: (1)...(492)
OTHER INFORMATION: n = A,T,C or G
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                                                                                                                                                                                                              Local
                                     432 TTTGCTTTTGGCAAAACTCTACTTAATCCAATGGGTTTTTCCCTGTACAGTAGATTTTCC
                                                                                                            492 TGTGGCCCCACCCTGGGCCNTGGGCTGGAATCAGGAATATTTTCCAAAGAGTGATAGTCT
                                                                                                                                  162 TGTGGCCCCACCCTGGGCCCTGGGCTGGAATCAGGAATATTTTCCAAAGAGTGATAGTCT
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282 AAATGTAATAAACTTTAATATAAAGTA 308
                                                                           222 TTTGCTTTTGGCAAAACTCTACTTAATCCAATGGGTTTTTCTCTGTACAGTAGATTTTCC
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145; Conserv
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McNabb, Andria
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Carter, Darrick
Fanger, Gary R.
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                                                                                                                                                                                              0;
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Pred. No. 2.7e-29;
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Db

20 Db QΥ

64

US-09-918-995-8387

TYPE: DNA
ORGANISM: Homo sapiens

SEQ ID NO 8387

LENGTH: 408

Query Match Best Local

Local

Similarity

Matches

212;

Conservative

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184

RESULT 7 US-09-736-457-1041/c

GENERAL INFORMATION:

APPLICANT:

Wang,

Tongtong

APPLICANT:
APPLICANT:
APPLICANT:

APPLICANT: APPLICANT: APPLICANT:

Fanger, Gary Vedvick, Tom Carter, Darrick Retter, Marc Mannion, Jane

APPLICANT:

Fan, Liqun Wang, Aijun

APPLICANT: APPLICANT:

SOFTWARE: Fas

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AAATGTAATAAACTTTAATATAAAGTA

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RESULT 10
US-10-017-754-1041/c
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                                                                                                                                                                                                                                                                                                                                                         Sequence 1041, Application US/10017754 Publication No. US20030054363A1
SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 1041
                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
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APPLICANT: Wang, Aijun
APPLICANT: Wang, Tongtong
APPLICANT: Wang, Tongtong
APPLICANT: Switzer, Anne
APPLICANT: Clapper, Jonathan
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.478C16
                                                                                                                                                                                                                                                                                    APPLICANT:
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Best Local Similarity
                                                                                                                                                                                                                                                   APPLICANT:
                                                                                 APPLICANT: Bangur, Chaitanya S.
APPLICANT: McNabb, Andria
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.478C18
                               CURRENT APPLICATION NUMBER: US/10/017,754
CURRENT FILING DATE: 2001-10-29
NUMBER OF SEQ ID NOS: 2004
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SOFTWARE: FastSEQ for Windows Version 3.0
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CURRENT FILING DATE: 2001-05-03
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: misc_feature LOCATION: (1)...(492)
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                                                                                                                                                                                                                                                                                                   Wang, Tongtong
                                                                                                                                                                        Carter, Darrick
Fanger, Gary R.
Vedvick, Thomas S.
                                                                                                                                                                                                                              Marnerakis, Margarita
                                                                                                                                                                                                                                                 Johnson, Jeffrey C. Retter, Marc W.
                                                                                                                                                                                                                                                                                  Watanabe, Yoshihiro
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98.68;
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Pred. No. 2.7e-29;
"Mismatches 2;
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; TYPE: DNA
; ORGANISM: Bovine
US-10-079-623-76
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; LOCATION: 473
; OTHER INFORMATION: n = A,T,C or
US-10-017-754-1041
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches 189; Conservative
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Best Local Similarity 75.6%;
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: Compositions isolated from bovine TITLE OF INVENTION: mammary gland and methods for their use. FILE REFERENCE: 11000.1044c3
CURRENT APPLICATION NUMBER: US/10/079,623
CURRENT FILING DATE: 2002-02-19
NUMBER OF SEQ ID NOS: 370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Glenn, Matthew APPLICANT: Grigor, Murray R. APPLICANT: Molenaar, Adrian J.
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240 GAAAAAAAA 249
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                                          316 AAAAAAAAA 325
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                                                                                                                                                                                                                                                                                                                                                                     77 CTTCCTCCTGGAAATTGACGAGGGGTGTCTTGGGCAGAGCTGGCTCTGAGCGCCTCCATC 136
                                                                                                                                                                                                                                                                                                                                               4 CTTTCTCCTGTAAAGTGACAAGAGACGTCTTGGGTACACCTGGCACTGAGCTGCCCCACG
                                                                                                            AATATTTTCCAAAGAGTGATAGTCTTTTGCTTTTTGGCAAAAC-TCTACTTAATCCAATGG
                                                                                 GTTTTTCCCTGTACAGTAGATTTTCCAAATGTAATAAACTTTAATATAAAGTAGTCATGT 239
                                                                                                                                                                      44.4%;
98.6%;
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Pred. No. 5.6e-23;
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Pred. No. 2.7e-29;
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; FEATURE: misc_feature; LOCATION: (1)..(748); CTHER INFORMATION: n may be a or g or c or t/u US-09-910-943-361
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Matches
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LENGTH: 617
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LENGTH: 748
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APPLICANT: Altman, Curtis
TITLE OF INVENTION: Assays and Materials for Embryonic Gene Expression
FILE REFERENCE: 7529/16148US1
                                                                                                                                                                                                           OTHER INFORMATION: n equals a,t,g, or -09-764-877-121
                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/09/764,877 CURRENT FILING DATE: 2001-01-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: Nucleic Acids, Proteins, FILE REFERENCE: PC005
                                                                                                                                                                                                                                                                                                                                                                                    Prior application data removed - refer to PALM or file wrapper NUMBER OF SEQ ID NOS: 4031\,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Rosen et al
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CURRENT FILEN DATE: 2001-07-23
NUMBER OF SEQ ID NOS: 742
SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: PatentIn Ver. 2.0
                                                                                                                                                                                                                                                            FEATURE:
NAME/KEY: SITE
                                                                                                                                                                                                                                                                                                  ORGANISM: Homo sapiens
                                                                                                                                                                                                                                             LOCATION: (317)
                                                                                                                                                                                                                                                                                                                    TYPE: DNA
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 196 CTAAGTCAAGCTACTTCCTGAGCTTCTCTCAGATTTCCCCAAGAGCCCAGAGATGAATTGTG
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                                                                                          136 CCAAGGCCAGGTTCTCCGTTAGCTCCTGTGGCCCCACCCTGGGCCCCTGGGCTGGAATCAG
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98; Conserv
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58.8%;
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                                                                                                                                Mismatches
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PRIOR APPLICATION NUMBER: US/09/363,044
PRIOR FILING DATE: 1998-07-29
PRIOR APPLICATION NUMBER: 60/073,160
PRIOR APPLICATION NUMBER: 60/073,159
PRIOR APPLICATION NUMBER: 60/073,159
PRIOR APPLICATION NUMBER: 60/073,155
PRIOR ETLING DATE: 1998-01-30
PRIOR APPLICATION NUMBER: 60/073,164
PRIOR FILING DATE: 1998-01-30
PRIOR APPLICATION NUMBER: 60/073,164
PRIOR FILING DATE: 1998-01-30
PRIOR APPLICATION NUMBER: 60/073,167
PRIOR APPLICATION NUMBER: 60/073,167
PRIOR APPLICATION NUMBER: 60/073,162
                                                                                                                                                                                                                                                                                                                                                                                                                                                 : Sequence 35, Application US/09813153
: Publication No. US20030045459A1
: GENERAL INFORMATION:
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US-09-918-995-24997
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Publication No. US20030073623A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 24997
LENGTH: 330
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                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/09/813,153
CURRENT FILING DATE: 2001-03-21
                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Rosen et al.
TITLE OF INVENTION: 67 Human secreted proteins
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CURRENT APPLICATION NUMBER: US/09/918,995
CURRENT FILING DATE: 2001-07-30
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TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
                                                                                                                                                                                                                                                                                                                                                                                  FILE REFERENCE: PZ023
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 201 AATCCATTCCTCCTCCAAGTCCATTGTTGCAAGCAATATTCTTCTCAATTTTTATAT 260
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAAAAAAA 329
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US-09-974-879-115
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; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 58-LIB3058-048-Q1-K1-G6
US-09-960-352-13618
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: ORGANISM: Homo sapiens
US-09-813-153-35
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                                                                                                                                            Sequence 115, Application US/09974879 Publication No. US20030028003A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ ID NO 13618
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APPLICANT: Tao, Nengbing
APPLICANT: Byatt, John C.
APPLICANT: Mathidlagan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
TITLE OF INVENTION: MUSCLE AND FAT DEPOSITION
FILE REFERENCE: 16511.006/37-21(10298)C
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Best Local
                                                                                          APPLICANT: Rosen et al.
TITLE OF INVENTION: 125 Human Secreted Proteins
FILE REFERENCE: PZ020P2
PRIOR APPLICATION NUMBER: US 60/239,893
PRIOR FILING DATE: 2000-10-13
PRIOR APPLICATION NUMBER: US 09/818,683
                                                         CURRENT APPLICATION NUMBER: US/09/974,879 CURRENT FILING DATE: 2001-10-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/960,352
CURRENT FILING DATE: 2001-09-24
NUMBER OF SEQ ID NOS: 15112
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PRIOR FILING DATE: 1998-01-30
PRIOR APPLICATION NUMBER: 60/073,170
PRIOR FILING DATE: 1998-01-30
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52; Conserv
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Similarity 62.5%;
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75.4%;
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Pred. No. 0.23;
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 GENERAL INFORMATION:

APPLICANT: Feng et al.

TITLE OF INVENTION: 125 Human Secreted Proteins

FILE REFERENCE: P2020P1

CURRENT APPLICATION NUMBER: US/09/305,736

CURRENT FILING DATE: 1999-05-05

EARLIER APPLICATION NUMBER: PCT/US98/23435

EARLIER APPLICATION NUMBER: 60/064,911

EARLIER FILING DATE: 1997-11-07

EARLIER FILING DATE: 1997-11-07

EARLIER FILING DATE: 1997-11-07
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APPLICATION

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RESULT 18
US-09-305-736-116
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LENGTH: 1797
TYPE: DNA
Sequence 116, Application US/09305736
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Best Local Similarity 57.9%;
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PRIOR FILING DATE: 1997-11-17

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SOFTWARE: PatentIn Ver. 2.0
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PRIOR APPLICATION NUMBER: US 60/064,911
PRIOR FILING DATE: 1997-11-07
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                                                                                                                 1745 AAAAAA 1750
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Pred. No. 0.33;
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CORGANISM: Homo sapiens
US-09-305-736-116
                                                              US-09-918-995-36308
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LENGTH: 1797
                    Query Match
                                                                                                                                              SEQ ID NO 36308
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Best Local Similarity
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CURRENT FILING DATE: 2001-07-50
PRIOR APPLICATION NUMBER: US/09/235,076
PRIOR FILING DATE: 1999-01-20
                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES FILE REFERENCE: 20411-756
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                                                                                                                                                                NUMBER OF SEQ ID NOS: 38054
SOFTWARE: FastSEQ for Windows Version 3.0
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EARLIER APPLICATION NUMBER: 60/066,100
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EARLIER APPLICATION NUMBER: 60/064,983
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                                                                              ORGANISM: Homo sapiens
                                                                                                    TYPE: DNA
                                                                                                                        LENGTH: 400
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   320 AAAAAA 325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         200 ATTTTCCAAAGAGTGATAGTCTTTTGCTTTTGGCAAAACTCTACTTAATCCAATGGGTTT 259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1997-11-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1997-11-07
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1997-11-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12.7%;
57.9%;
12.5%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 41.2; DB Pred. No. 0.33;
Score 40.6; DB 9; Length 400; Pred. No. 0.23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 9; Length 1797;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      53; Indels
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; FEATURE:

NAME/KEY: misc_feature

; LOCATION: 130, 146, 165, 181, 255, 292, 369, 389, 412, 464, 467, 477

; OTHER INFORMATION: n = A,T,C or G

US-10-060-036-2299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-060-036-2299/c
                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2299
SEQ ID NO 2299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                           Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 2299, Application US/10060036 Publication No. US20030073144A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Benson, Darin R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/10/060,036
CURRENT FILING DATE: 2002-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY TITLE OF INVENTION: AND DIAGNOSIS OF PANCREATIC CANCER FILE REFERENCE: 210121.566
                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
                                                                                                                                                                                                                                                                                                                                   ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           214 AATCCATTCCTCCCTTCCAAGTCCATTGTTGCAAGCAATATTCTTCTCAATTTTTATAT 273
                                                                           219 TCTTTTGCTTTTGGCAAAACTCTACTTAATCCAATGGGTTTTTCTCTGTACAGTAGAFTT 278
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     334 AAAAAAA 340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          317 AAAAAAA 323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                197 AATATTTTCCAAAGAGTGATAGTCTTTTGCTTTTGGCAAAACTCTACTTAATCCAATGGG 256
                                   65;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            73; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Kalos, Michael D.
Lodes, Michael J.
Persing, David H.
Hepler, William T.
Jiang, Yugiu
                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                     4560
                                                                                                                                                                         12.2%;
60.7%;
                                                                                                                                                      0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
                                                                                                                                                                         Score 39.8; DB 9; Length 486; Pred. No. 0.41;
                                                                                                                                                      42; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            54;
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                                                                                                                                                  Gaps
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RESULT 21
US-09-771-208-20
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; APPLICANT: MEDRANO, JUAN
SEQ ID NO 20
                                                                                                                                                                                                                                                                                                           Sequence 20, Application US/09771208 Patent No. US20020155564A1
                                             PRIOR APPLICATION NUMBER: US 08/999,477
PRIOR FILING DATE: 1997-12-29
NUMBER OF SEQ ID NOS: 20
                                                                                                                                                                APPLICANT: HORVAT, SIMON
TITLE OF INVENTION: CLONING OF A HIGH-GROWTH GENE
FILE REFERENCE: 407T-923710US
                                                                                                                   CURRENT APPLICATION NUMBER: US/09/771,208
CURRENT FILING DATE: 2001-01-26
                                                                                                                                                                                                                APPLICANT:
                         SOFTWARE: PatentIn version 3.0
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; Sequence 12673, Application US/09960352
; Patent No. US20020137139A1
                                               US-09-960-352-12673/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LOCATION: (132680)..(132700)
OTHER INFORMATION: n is unidentified a, c,
NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LOCATION: (170625)...(170645)
OTHER INFORMATION: n is unidentified a,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: misc_feature
LOCATION: (183872)..(183891)
OTHER INFORMATION: n is unidentified a,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: misc_feature
LOCATION: (280353)..(280373)
OTHER INFORMATION: n is unidentified a,
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OTHER INFORMATION: n is unidentified a,
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OTHER INFORMATION: n is unidentified a, c,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LOCATION: (346860)..(346823)
OTHER INFORMATION: n is unidentified a,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LOCATION: (390986)..(391005)
OTHER INFORMATION: n is unidentified a,
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LOCATION: (123459)..(123478)
OTHER INFORMATION: n is unidentified a, c, g, or t
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OTHER INFORMATION: n is unidentified a,
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LOCATION: (546998)..(547017)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 659158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                      39493 AATTTAAAAAAAAAAAAA 39511
                                                                                                                                                                                                                        39373 GAGTTGGATCCCGGAATCCATGTGGTGGAAGGAGGAGCACTAACTTGTCCTCTGGCCCCCA 39432
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    39253 GTTTTGAAGAGGTGTTATATTGAGGACAGGCTCCAGGGTGGGGGTGGGGGTTTAAAGTCTG 39312
                                                                                                                                                                                                                                                                                                                                                                                                39313 TGAGTGAGCTTTGGCAAGATGGCTCCGTAGGTAAAAGTGCTTCTGCTAAGACTGATGACT 39372
                                                                                                                                                                                 303 AAAGTAAAAAAAAAAAAA 321
                                                                                                                                                                                                                                                                   243 CTTAATCCAATGGGTTTTTCTCTGTACAGTAGATTTTCCAAATGTAATAAACTTTAATAT 302
                                                                                                                                                                                                                                                                                                                                                     183 GGGCTGGAATCAGGAATATTTTCCAAAGAGTGATAGTCTTTTGCTTTTGGCAAAACTCTA 242
                                                                                                                                                                                                                                                                                                                                                                                                                                             123 TGAGCGCCTCCATCCAAGGCCAGGTTCTCCGTTAGCTCCTGTGGCCCCACCCTGGGCCCT 182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 63 GTCTCCAGGGGCTGCTTCCTCCTGGAAATTGACGAGGGGGTGTCTTGGGCAGAGCTGGCTC 122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12.2%;
47.1%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 659158;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0;
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US-09-880-107-1117/c ; Sequence 1117, Application US/09880107
                                             RESULT 24
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Вb
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 54-LIB3058-039-Q1-K1-F10
US-09-960-352-12873
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 15112
SEQ ID NO 12673
LENGTH: 277
TYPE: DNA
                                                                                                                                                                    Matches
                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO 7904
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 7904, Application US/09960352 Patent No. US20020137139A1
                                                                                                                                                                                            TS98
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Mathialagan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
TITLE OF INVENTION: MUSCLE AND FAT DEPOSITION
FILE REFERENCE: 16511.006/37-21(10298)C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Byatt, John C.

APPLICANT: Mathialagan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
TITLE OF INVENTION: MUSCLE AND FAT DEPOSITION
FILE REFERENCE: 16511.006/37-21(10298)C
CURRENT APPLICATION NUMBER: US/09/960,352
CURRENT FILING DATE: 2001-09-24
                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/960,352
CURRENT FILING DATE: 2001-09-24
NUMBER OF SEQ ID NOS: 15112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Warren, Wesley C. APPLICANT: Tao, Nengbing APPLICANT: Byatt, John C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Warren, Wesley C.
                                                                                                                                                                                                                                                                                           ORGANISM: Bos taurus
                                                                                                                                                                                                                                                                                                                 TYPE: DNA
                                                                                                                                                                                                                                                                                                                                  LENGTH: 241
                                                                                                                                                                                   / Match 12.1%; Score 39.4; DB 10; Length 241; Local Similarity 67.9%; Pred. No. 0.37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
151 AATAAAAAAAAAAAAAAAA 131
                                         305 AGTAAAAAAAAAAAAAAAAA 325
                                                                             245 TAATCCAATGGGTTTTTCTCTGTACAGTAGATTTTCCAAATGTAATAAACTTTAATATAA 304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               312 AAAAAAAAAAAAA 325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      192 TCAGGAATATTTTCCAAAGAGTGATAGTCTTTTGCTTTTGGCAAAACTCTACTTAATCCA 251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             252 ATGGGTTTTTCTCTGTACAGTAGATTTTCCAAATGTAATAAACTTTAATATAAAGTAAAA 311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      99 AAAAAAAAAAAA 86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Tao, Nengbing
Byatt, John C.
                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
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 Mismatches

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                                                                                                                                                              26; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       59;
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; NAME/KEY: misc_feature
; LOCATION: (1)...(462)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-13712
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                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: FastSEQ for Windows Version 3.0 SEQ ID NO 13712
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
FILE REFERENCE: 20411-756
CURRENT APPLICATION NUMBER: US/09/918,995
CURRENT FILING DATE: 2001-07-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/880,107
CURRENT FILING DATE: 2001-06-14
PRIOR APPLICATION NUMBER: US 60/211,379
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: US/09/235,076 PRIOR FILING DATE: 1999-01-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 3950 SOFTWARE: PatentIn Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: US 60/237,054 PRIOR FILING DATE: 2000-10-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer FILE REFERENCE: 44921-5028-WO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR FILING DATE: 2000-06-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
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                                                                                                                                                                                                 Local Similarity
                                                                                                                            172 CCCTGGGCCCTGGGCTGGAATCAGGAATATTTTCCAAAGAGTGATAGTCTTTTGCTTTTG 231
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                                         232 GCAAAACTCTACTTAATCCAATGGGTTTTTCTCTGTACAGTAGATTTTCCCAAATGTAATA 291
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145 TCACGACTAACCTTCTGTCTCTGAAATTGTTTGTTTCAAATAAAGAGTTAAAATTGTCAA 204
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                                                                                     85 CGCCTGGCCTGTCCCTTCAGTGAGCCATGCCCACCCTTGTGTTGTAGTGAGAAGCTGTTG 144
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                                                                                                                                                                            Conservative
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                                                                                                                                                                                               Score 38.8; DB 9; Length 462; Pred. No. 0.75;
                                                                                                                                                                          72; Indels
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US-10-126-139-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO: 5:
                DOCUMENT NUMBER: 5,093,240 SEQUENCE DESCRIPTION: SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear MOLECULE TYPE: cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: 6680-112 TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION DATA:
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MEDIUM TYPE: <Unknown>
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ADDRESSEE: Brown, Martin, Haller & McClain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: APPARATUS AND METHOD FOR DETECTING AND IDENTIFYING INFECTIOUS AGENTS
                                                                                                                                                                         PUBLICATION INFORMATION:
                                                                                                                                                                                                                                                           FEATURE:
                                                                                                                                                                                                                                                                                       ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                   ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                   HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 958 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Bruce J. Bryan
                                                                                                                                                                                                                                                                                                       FRAGMENT TYPE: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  205 АААААААААААААААААААААААААААААААА
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                                                                                                                                                                                            OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/08/990,103
FILING DATE: 12-DEC-1997
APPLICATION NUMBER: 60/037,675
FILING DATE: 02-FEB-1997
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SOFTWARE: FastSEQ Version 1.5
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                                                                                 PAGES: 3154-3158
                                                                                                        VOLUME:
                                                                                                                                                                                                                   NAME/KEY: Coding Sequence LOCATION: 115...702
                                                                                                                                                                                                                                                                                                                                                                                                                       STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REGISTRATION NUMBER: 33,779
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                                                              DATE:
                                                                                                                               JOURNAL:
                                                                                                                                                  AUTHORS:
                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
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                                                              (1985)
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                                                                                                                             Proc. Natl. Acad. Sci. U.S.A.
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Best Local Similarity 58.8%;
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APPLICATION NUMBER: US/10/126,798
FILING DATE: 19-Apr-2002
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MEDIUM TYPE: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Randall B. Murphy
TITLE OF INVENTION: APPARATUS AND METHOD FOR DETECTING AND
IDENTIFYING INFECTIOUS AGENTS
                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 958 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
                                         PUBLICATION INFORMATION:
                                                                                                                           FEATURE:
                                                                                                                                               ORIGINAL SOURCE:
                                                                                                                                                                 FRAGMENT TYPE: <Unknown>
                                                                                                                                                                                                           HYPOTHETICAL: NO
                                                                                                                                                                                                                               TOPOLOGY: linear MOLECULE TYPE: cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                            TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                         ANTI-SENSE: NO
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                                                           LOCATION: 115...702
OTHER INFORMATION: apoaequorin-encoding gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 60/037,675, FILING DATE: 02-FEB-1997
                                                                                                                                                                                                                                                                      STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: 619-238-0999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Seidman, Stephanie L
REGISTRATION NUMBER: 33,779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 60/033,745 FILING DATE: 12-DEC-1996
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                        AUTHORS:
                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: 6680-112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: FastSEQ Version 1.5
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  JOURNAL: Proc. Natl. Acad. Sci. U.S.A.
                                                                                                 NAME/KEY: Coding Sequence
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                                                                                                                                                                                                                                                                                                                                                                                <Unknown>
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                 Inouye et al.
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RESULT 29
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 5
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Best Local Similarity 58.8%;
Matches 67; Conservative
                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                             Best Local
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TITLE OF INVENTION: SCRE
FILE REFERENCE: 24729-128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: 09/277,716
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION UMBER: 08/757,046
PRIOR FILING DATE: 1996-11-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/808,898
CURRENT FILING DATE: 2001-03-15
PRIOR APPLICATION NUMBER: 60/189,691
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: 08/990,103 PRIOR FILING DATE: 1997-12-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: 08/908,909 PRIOR FILING DATE: 1997-08-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: 08/597,274 PRIOR FILING DATE: 1996-02-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR FILING DATE: 2000-03-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: RENILLA RENIFORMIS FLOURESCENT PROTEINS, NUCLEIC ACIDS ENCODIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
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                                                                                                                                                                                                                                                                                                                                        NAME/KEY: CDS
LOCATION: (115)...(702)
OTHER INFORMATION: Aposquorin-encoding gene
                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: Aequorea victoria
                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 958
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DOCUMENT NUMBER: 5,093,240
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
                                                            812 GTGTTGATTTTTGTAATTAGGAACAGATTAAATCGAATGATTAGTTGTTTTTTTAATCAA 871
                                                                                                                                                                                            212 GTGATAGTCTTTTGCTTTTGGCAAAACTCTACTTAATCCAATGGGTTTTTCTCTGTACAG 271
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Similarity 58.8%;
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Szczepaniak, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SCREENING AND NOVELTY ITEMS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FLOURESCENT PROTEINS AND THE USE THEREOF IN DIAGNOSTICS, HIGH
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Best Local Similarity
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                                                                                                       Matches
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                                                                                                                                                                                                                                                                  PUBLICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE:
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                                                                                                                                                                                                                                                                              NAME/KEY: Coding Sequence LOCATION: 115...702
OTHER INFORMATION: appaequ
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                                                                                                                                                                            DOCUMENT NUMBER: 5,093,240
                                                                                                                                                                                           DATE:
                                                                                                                                                                                                      PAGES:
                                                                                                                                                                                                                       VOLUME:
                                                                                                                                                                                                                                                    AUTHORS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 0 FILING DATE: 02-06-96
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                                           212 GTGATAGTCTTTTGCTTTTGGCAAAACTCTACTTAATCCAATGGGTTTTTCTCTGTACAG 271
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US-09-746-485A-5
                                                                                                                   US-09-746-485A-5
                                                          Matches 67;
                                                                                      Query Match
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; Sequence 5, Application US/09746485A
; Patent No. US20020090659A1
; GENERAL INFORMATION:
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                                                                                                  Match 11.9%; Score 38.8; DB 10; Length 958; Local Similarity 58.8%; Pred. No. 1.1;
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APPLICATION NUMBER: US/09/746,485A
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                                                                                                                                                                                      DOCUMENT NUMBER: 5,093,240
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HYPOTHETICAL: NO ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                          PUBLICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORIGINAL SOURCE:
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812 GTGTTGATTTTTGTAATTAGGAACAGATTAAATCGAATGATTAGTTGTTTTTTTAATCAA 871
                                      212 GIGATAGTCTTTTGCTTTTGGCAAAACTCTACTTAATCCAATGGGTTTTTCTCTGTACAG 271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
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PILING DATE: 08-AUG-1997
APPLICATION NUMBER: 60/023,374
FILING DATE: 08-AUG-1996
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                                                                                                                                                                                                                                                      PAGES:
                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                      LOCATION:
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                                                                                                                                                                                                                                                                                                                        AUTHORS:
                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY:
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                                                                                  Conservative
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                                                                                  0;
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